

Shibaura Machine

View the Future with You

EC SXIII SERIES

ALL ELECTRIC INJECTION MOLDING MACHINES
EUROPEAN SPECIFICATIONS



Smart Electric Molding Solutions.

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Reach for the impossible. Achieve the incredible

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Meet the Next Generation

EL-SX III



of All-Electrics ▶▶▶

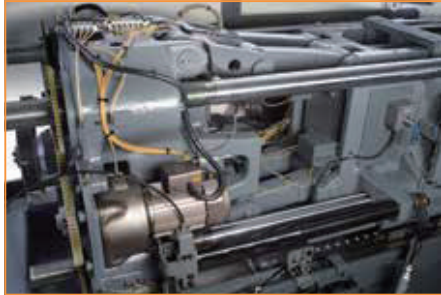


▶ The ECSXIII from Shibaura Machine

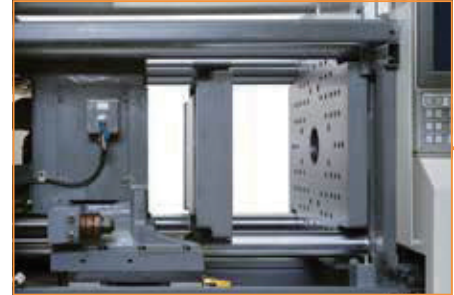
In 2018, Shibaura Machine revolutionized injection molding with the ECSXIII series of all-electrics. The powerhouse of injection molding, it is not only gave molders faster dry cycle times, longer mold life and more uniform clamping force, but more shot sizes from a single machine and the most advanced controller on the market.

Now we've taken the next step. Introducing the all-new ECSXIII – all-electrics with the same versatility and performance, along with a new controller V70. V70 has large sized 19 inches display and dual screen layout that gives extremely easy and flexible operation, customization and new molding control. The new ECSXIII is ideal for virtually all molding applications, from automotive and aerospace, to packaging, medical and more.

Features & Benefits >>



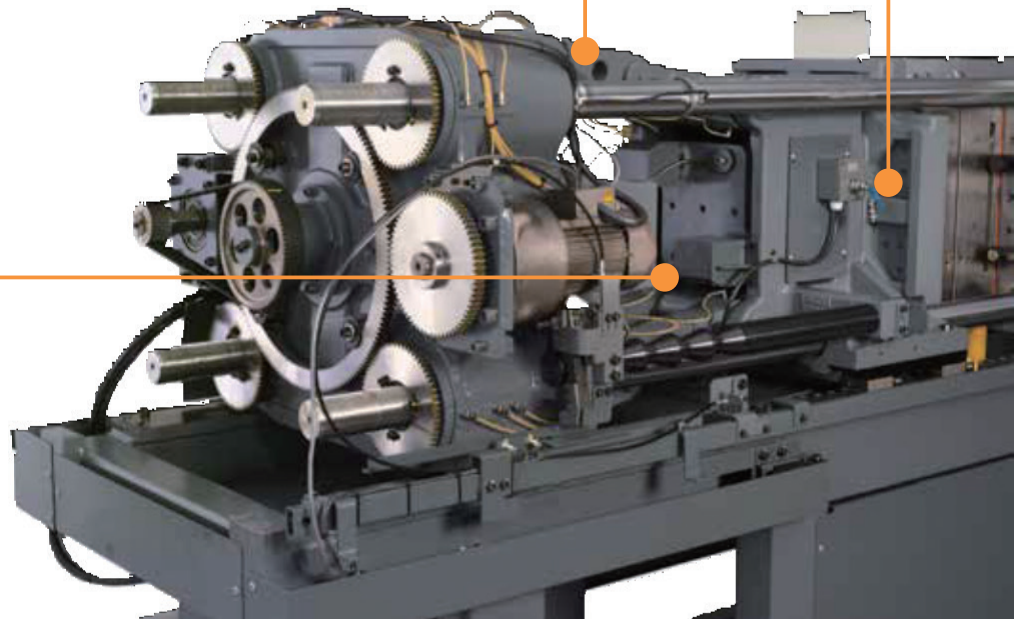
The ECSXIII's 5-point Link-line toggle mechanism is angled to distribute force evenly across the platen, increasing quality and minimizing defects. It has the added benefit of extending mold life and reducing machine maintenance.



Two-piece removable platens can be changed out in 15 minutes giving you extraordinary flexibility.



Strain gauge adjusts tonnage automatically and on the fly during the cycle. This ensures accurate tonnage at all times.



Ball screws are designed to push heavier loads, spreading the load across a much larger surface area than conventional ball screws.



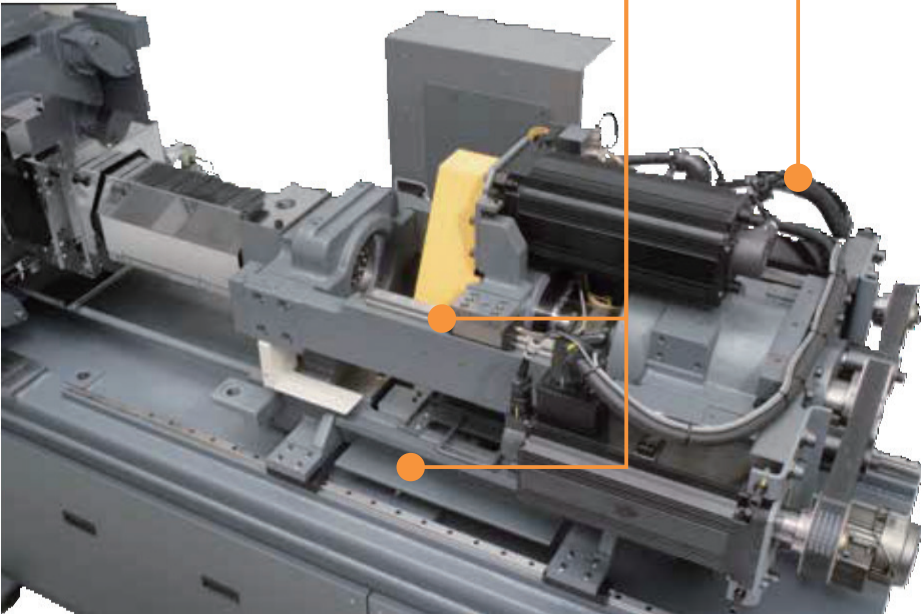
With bushing-free, grease-free tie bars, there's less chance of contaminating molded parts, increasing your shop's quality.



(S3) Simple, Steady, Smooth – Friction free drive system ensures more accurate injection speed and back pressure control, improving shot-to-shot repeatability throughout the processing cycle.



The heavy weight on the injection unit is supported on linear guides, greatly reducing the drag of injection and backpressure.



The ECSXIII uses an advance load cell which ensures accurate control of injection pressure. In combination with the V70 controller, this load cell achieves Scientific Molding over the balance of the mold without the use of internal transducers.



Easy access to tie in the ejection plate to the press, for faster, easier mold changes.



Equipped with a new 19 inch large-screen controller "INJECTCISOR V70". "Legibility", "Operability", and "Setting Flexibility" are drastically improved. Shibaura Machine's know-how in various molding solutions has been thoroughly incorporated into the unit to drastically improve customers.

Major Specifications

| ITEM | UNIT | MODEL EC50SXIII | | MODEL EC75SXIII | | | |
|---|---------------------|--------------------|--|-----------------|--|------|--------------|
| INJECTION UNIT CODE | | i1.5 | | i2 | | | |
| BARREL CODE | | Y | A | Y | A | B | |
| SCREW DIAMETER | mm | 25 | 28 | 28 | 32 | 36 | |
| INJECTION VOLUME CALCULATED | cm ³ | 55 | 69 | 78 | 102 | 130 | |
| SHOT WEIGHT | PS | 51 | 63 | 72 | 94 | 120 | |
| | PE | 40 | 50 | 57 | 75 | 95 | |
| INJECTION PRESSURE | MPa | 276 | 220 | 287 | 220 | 174 | |
| | kgf/cm ² | 2810 | 2240 | 2920 | 2240 | 1770 | |
| HOLDING PRESSURE | MPa | 276 | 220 | 287 | 220 | 174 | |
| | kgf/cm ² | 2810 | 2240 | 2920 | 2240 | 1770 | |
| INJECTION SPEED | STD | mm/s | 200 | | 200 | | |
| INJECTION RATE (MAX) | | cm ³ /s | 98 | 123 | 123 | 161 | 204 |
| INJECTION SPEED | Semi-High Speed | mm/s | 300 | | 300 | | |
| INJECTION RATE (MAX) | | cm ³ /s | 147 | 184 | 184 | 241 | 305 |
| INJECTION SPEED | High Speed | mm/s | 500 | | 500 | | |
| INJECTION RATE (MAX) | | cm ³ /s | 245 | 308 | 308 | 402 | 509 |
| PLASTICIZING CAPACITY | PS | kg/h | 25 | 35 | 40 | 61 | 83 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 390 | 390 | 400 | 390 | 350 |
| SCREW TORQUE | | N-m | 204 | 280 | 280 | 407 | 407 |
| SCREW STROKE | | mm | 112 | | 128 | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 9.8 (1.0) | | 9.8 (1.0) | | |
| CLAMPING FORCE | | kN(tf) | 490 (50) | | 735 (75) | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 410×360 | | 410×360 | | |
| PLATEN DIMENSIONS (H×V) | | mm | 510×460 | | 580×530 | | |
| OPENING STROKE | | mm | 300 | | 300 | | |
| OPEN DAYLIGHT (Max.) | | mm | 670 (★610) (★★650) (★★★660) | | 770 (★710) (★★750) (★★★760) | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | mm | 150~370 (★90~310) (★★130~350) (★★★140~360) | | 150~470 (★90~410) (★★130~450) (★★★140~460) | | |
| EJECTION FORCE | | kN(tf) | 20 (2.0) | | 20 (2.0) | | |
| EJECTOR STROKE | | mm | 70 | | 70 | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220V SPEC | kW | 6.6 | | 6.9 | | 7.7 |
| | 200V SPEC | | 5.4 | | 5.7 | | 6.3 |
| APPARENT POWER | Semi-High Speed | kVA | 23.1 | | 29.7 | | |
| | STD | | 16.0 | | 20.4 | | |
| | High Speed | | 37.3 | | 48.2 | | |
| MAIN BREAKER CAPACITY | Semi-High Speed | A | 50 | | 75 | | |
| | STD | | 50 | | 75 | | |
| | High Speed | | 100 | | 125 | | |
| SHORT-CIRCUIT CURRENT RATING | Semi-High Speed | kA | 5/3 | | 25/13 | | |
| | STD | | 5/3 | | 25/13 | | |
| | High Speed | | 25/13 | | 36/18 | | |
| POWER | Semi-High Speed | kW | 14.3 | | 19.8 | | |
| | STD | | 12.3 | | 19.8 | | |
| | High Speed | | 18.3 | | 32.8 | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 3.9×1.3×■1.6 | | 4.1×1.3×■1.6 | | 4.2×1.3×■1.6 |
| MACHINE WEIGHT | | t | 3.2 | | 3.3 | | |

MODEL EC50SXIII

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 235(H)×210(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional T-slotted mold platen.
 7 : Values marked with ★★ vary with optional insulating plates (10mm) are attached. Values marked with ★★★ vary with optional insulating plates (5mm) are attached.
 8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 10 : 1MPa=10.2kgf/cm², 1kN=0.102tf

MODEL EC75SXIII

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 235(H)×210(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional T-slotted mold platen.
 7 : Values marked with ★★ vary with optional insulating plates (10 mm) are attached. Values marked with ★★★ vary with optional insulating plates (5 mm) are attached.
 8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 10 : 1 MPa=10.2kgf/cm², 1 kN=0.102tf

Major Specifications

| ITEM | | UNIT | MODEL EC100SXIII | | | | | | MODEL EC130SXIII | | | |
|---|----|---------------------|--------------------|---|------|------|------------------------------------|------|------------------|---|------|--------------|
| INJECTION UNIT CODE | | | i2 | | | i4 | | | i4 | | | |
| BARREL CODE | | | Y | A | B | Y | A | B | Y | A | B | |
| SCREW DIAMETER | | mm | 28 | 32 | 36 | 36 | 40 | 45 | 36 | 40 | 45 | |
| INJECTION VOLUME CALCULATED | | cm ³ | 78 | 102 | 130 | 162 | 201 | 254 | 162 | 201 | 254 | |
| SHOT WEIGHT | PS | g | 72 | 94 | 120 | 145 | 180 | 230 | 145 | 180 | 230 | |
| | PE | | 57 | 75 | 95 | 115 | 145 | 185 | 115 | 145 | 185 | |
| INJECTION PRESSURE | | MPa | 287 | 220 | 174 | 247 | 200 | 158 | 247 | 200 | 158 | |
| | | kgf/cm ² | 2920 | 2240 | 1770 | 2510 | 2040 | 1610 | 2510 | 2040 | 1610 | |
| HOLDING PRESSURE | | MPa | 287 | 220 | 174 | 247 | 200 | 158 | 247 | 200 | 158 | |
| | | kgf/cm ² | 2920 | 2240 | 1770 | 2510 | 2040 | 1610 | 2510 | 2040 | 1610 | |
| INJECTION SPEED | | STD | mm/s | | | 200 | | | 200 | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 123 | 161 | 204 | 204 | 251 | 318 | 204 | 251 | 318 |
| INJECTION SPEED | | Semi-High Speed | mm/s | | | 300 | | | 300 | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 184 | 241 | 305 | 305 | 376 | 477 | 305 | 376 | 477 |
| INJECTION SPEED | | High Speed | mm/s | | | 500 | | | 400 | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 308 | 402 | 509 | 407 | 502 | 636 | 407 | 502 | 636 |
| PLASTICIZING CAPACITY | | PS | kg/h | 40 | 61 | 83 | 83 | 110 | 120 | 83 | 110 | 120 |
| MAXIMUM SCREW SPEED | | | min ⁻¹ | 400 | 390 | 350 | 350 | 320 | 285 | 350 | 320 | 285 |
| SCREW TORQUE | | | N-m | 280 | 407 | 407 | 566 | 761 | 761 | 566 | 761 | 761 |
| SCREW STROKE | | | mm | 128 | | | 160 | | | 160 | | |
| NOZZLE TOUCH FORCE | | | kN(tf) | 11.8 (1.2) | | | | | | 11.8 (1.2) | | |
| CLAMPING FORCE | | | kN(tf) | 980 (100) | | | | | | 1270 (130) | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | | mm | 460×410 | | | | | | 510×460 | | |
| PLATEN DIMENSIONS (H×V) | | | mm | 660×610 | | | | | | 720×670 | | |
| OPENING STROKE | | | mm | 350 | | | | | | 400 | | |
| OPEN DAYLIGHT (Max.) | | | mm | 900 (★840) (★★880) (★★★890) | | | | | | 950 (★890) (★★930) (★★★940) | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | | mm | 180~550 (★120~490) (★★160~530) (★★★170~540) | | | | | | 180~550 (★120~490) (★★160~530) (★★★170~540) | | |
| EJECTION FORCE | | | kN(tf) | 30 (3.0) | | | | | | 30 (3.0) | | |
| EJECTOR STROKE | | | mm | 90 | | | | | | 90 | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | | 220V SPEC | kW | 6.9 | | | 7.7 | | | 11.2 | | 12.0 |
| | | 200V SPEC | | 5.7 | | | 6.3 | | | 9.3 | | 9.9 |
| APPARENT POWER | | Semi-High Speed | kVA | 29.7 | | | 42.5 | | | 42.5 | | |
| | | STD | | 20.4 | | | 29.4 | | | 29.4 | | |
| | | High Speed | | 48.2 | | | 55.7 | | | 55.7 | | |
| MAIN BREAKER CAPACITY | | Semi-High Speed | A | 75 | | | 100 | | | 100 | | |
| | | STD | | 75 | | | 100 | | | 100 | | |
| | | High Speed | | 125 | | | 125 | | | 125 | | |
| SHORT-CIRCUIT CURRENT RATING | | Semi-High Speed | kA | 25/13 | | | 25/13 | | | 25/13 | | |
| | | STD | | 25/13 | | | 25/13 | | | 25/13 | | |
| | | High Speed | | 36/18 | | | 36/18 | | | 36/18 | | |
| POWER | | Semi-High Speed | kW | 19.8 | | | 23.7 | | | 23.7 | | |
| | | STD | | 19.8 | | | 23.7 | | | 23.7 | | |
| | | High Speed | | 32.8 | | | 37.2 | | | 37.2 | | |
| MACHINE DIMENSIONS (L×W×H) | | | m | A,Y 4.6×1.3×■1.7 B 4.7×1.3×■1.7 | | | A,Y 4.8×1.3×■1.7 B 5.0×1.3×■1.7 | | | 5.0×1.5×■1.7 | | 5.1×1.5×■1.7 |
| MACHINE WEIGHT | | | t | 4.2 | | | 4.3 | | | 5.3 | | |

MODEL EC100SXIII

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| <p>Note) 1 : Due to continuous improvements, specifications are subject to change without notice.</p> <p>2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.</p> <p>3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.</p> <p>4 : Min. mold dimensions are 265(H)×240(V). In case of max. clamping force, do not mount smaller mold than described above.</p> <p>5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.</p> <p>6 : Values marked with ★ vary with optional T-slotted mold platen.</p> <p>7 : Values marked with ★★ vary with optional insulating plates (10 mm) are attached. Values marked with ★★★ vary with optional insulating plates (5 mm) are attached.</p> <p>8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.</p> <p>9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.</p> <p>10 : 1 MPa=10.2kgf/cm², 1 kN=0.102tf</p> |
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MODEL EC130SXIII

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| <p>Note) 1 : Due to continuous improvements, specifications are subject to change without notice.</p> <p>2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.</p> <p>3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.</p> <p>4 : Min. mold dimensions are 295(H)×270(V). In case of max. clamping force, do not mount smaller mold than described above.</p> <p>5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.</p> <p>6 : Values marked with ★ vary with optional T-slotted mold platen.</p> <p>7 : Values marked with ★★ vary with optional insulating plates (10 mm) are attached. Values marked with ★★★ vary with optional insulating plates (5 mm) are attached.</p> <p>8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.</p> <p>9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.</p> <p>10 : 1 MPa=10.2kgf/cm², 1 kN=0.102tf</p> |
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Major Specifications

| ITEM | | UNIT | MODEL EC180SXIII | | | | | | MODEL EC230SXIII | | |
|---|---------------------|--------------------|---|------|------|------------------------------------|------|------|---|------|------|
| INJECTION UNIT CODE | | | i4 | | | i8 | | | i8 | | |
| BARREL CODE | | | Y | A | B | Y | A | B | Y | A | B |
| SCREW DIAMETER | | mm | 36 | 40 | 45 | 45 | 50 | 55 | 45 | 50 | 55 |
| INJECTION VOLUME CALCULATED | | cm ³ | 162 | 201 | 254 | 318 | 392 | 475 | 318 | 392 | 475 |
| SHOT WEIGHT | PS | g | 145 | 180 | 230 | 292 | 361 | 437 | 292 | 361 | 437 |
| | PE | | 115 | 145 | 185 | 232 | 286 | 346 | 232 | 286 | 346 |
| INJECTION PRESSURE | MPa | 247 | 200 | 158 | 247 | 200 | 165 | 247 | 200 | 165 | |
| | kgf/cm ² | 2510 | 2040 | 1610 | 2510 | 2040 | 1680 | 2510 | 2040 | 1680 | |
| HOLDING PRESSURE | MPa | 247 | 200 | 158 | 247 | 200 | 165 | 247 | 200 | 165 | |
| | kgf/cm ² | 2510 | 2040 | 1610 | 2510 | 2040 | 1680 | 2510 | 2040 | 1680 | |
| INJECTION SPEED | STD | mm/s | 200 | | | 160 | | | 160 | | |
| INJECTION RATE (MAX) | | cm ³ /s | 204 | 251 | 318 | 254 | 314 | 380 | 254 | 314 | 380 |
| INJECTION SPEED | Semi-High Speed | mm/s | 300 | | | 250 | | | 250 | | |
| INJECTION RATE (MAX) | | cm ³ /s | 305 | 376 | 477 | 397 | 490 | 593 | 397 | 490 | 593 |
| INJECTION SPEED | High Speed | mm/s | 400 | | | 350 | | | 350 | | |
| INJECTION RATE (MAX) | | cm ³ /s | 407 | 502 | 636 | 556 | 687 | 831 | 556 | 687 | 831 |
| PLASTICIZING CAPACITY | PS | kg/h | 83 | 110 | 120 | 120 | 160 | 190 | 120 | 160 | 190 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 350 | 320 | 285 | 285 | 255 | 230 | 285 | 255 | 230 |
| SCREW TORQUE | | N-m | 566 | 761 | 761 | 1058 | 1421 | 1421 | 1058 | 1421 | 1421 |
| SCREW STROKE | | mm | 160 | | | 200 | | | 200 | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 29.4 (3.0) | | | | | | 29.4 (3.0) | | |
| CLAMPING FORCE | | kN(tf) | 1760 (180) | | | | | | 2250 (230) | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 560×510 | | | | | | 610×560 | | |
| PLATEN DIMENSIONS (H×V) | | mm | 790×740 | | | | | | 880×830 | | |
| OPENING STROKE | | mm | 450 | | | | | | 550 | | |
| OPEN DAYLIGHT (Max.) | | mm | 1050 (★990) (★★1030) (★★★1040) | | | | | | 1230 (★1170) (★★1210) (★★★1220) | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | mm | 200~600 (★140~540) (★★180~580) (★★★190~590) | | | | | | 250~680 (★190~620) (★★230~660) (★★★240~670) | | |
| EJECTION FORCE | | kN(tf) | 49 (5.0) | | | | | | 49 (5.0) | | |
| EJECTOR STROKE | | mm | 130 | | | | | | 130 | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220V SPEC | kW | 11.2 | | 12.0 | | 15.3 | | 15.9 | | |
| | 200V SPEC | | 9.3 | | 9.9 | | 12.6 | | 13.1 | | |
| APPARENT POWER | Semi-High Speed | kVA | 42.5 | | | 55.6 | | | 55.6 | | |
| | STD | | 29.4 | | | 37.5 | | | 37.5 | | |
| | High Speed | | 55.7 | | | 76.2 | | | 76.2 | | |
| MAIN BREAKER CAPACITY | Semi-High Speed | A | 100 | | | 125 | | | 125 | | |
| | STD | | 100 | | | 125 | | | 125 | | |
| | High Speed | | 125 | | | 175 | | | 175 | | |
| SHORT-CIRCUIT CURRENT RATING | Semi-High Speed | kA | 25/13 | | | 36/18 | | | 36/18 | | |
| | STD | | 25/13 | | | 36/18 | | | 36/18 | | |
| | High Speed | | 36/18 | | | 36/18 | | | 36/18 | | |
| POWER | Semi-High Speed | kW | 23.7 | | | 41.2 | | | 41.2 | | |
| | STD | | 23.7 | | | 41.2 | | | 41.2 | | |
| | High Speed | | 37.2 | | | 40.6 | | | 40.6 | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 5.7×1.6×■1.8 | | | A,Y 6.0×1.6×■1.8 B 6.1×1.6×■1.8 | | | <A,Y> 6.3×1.7×■2.0 6.4×1.7×■2.0 | | |
| MACHINE WEIGHT | | t | 7.0 | | | 7.3 | | | 9.3 | | |

MODEL EC180SXIII

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| <p>Note) 1 : Due to continuous improvements, specifications are subject to change without notice.</p> <p>2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.</p> <p>3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.</p> <p>4 : Min. mold dimensions are 325(H)×300(V). In case of max. clamping force, do not mount smaller mold than described above.</p> <p>5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.</p> <p>6 : Values marked with ★ vary with optional T-slotted mold platen.</p> <p>7 : Values marked with ★★ vary with optional insulating plates (10mm) are attached. Values marked with ★★★ vary with optional insulating plates (5mm) are attached.</p> <p>8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.</p> <p>9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.</p> <p>10 : 1MPa=10.2kgf/cm², 1kN=0.102tf</p> |
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MODEL EC230SXIII

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| <p>Note) 1 : Due to continuous improvements, specifications are subject to change without notice.</p> <p>2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.</p> <p>3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.</p> <p>4 : Min. mold dimensions are 360(H)×335(V). In case of max. clamping force, do not mount smaller mold than described above.</p> <p>5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.</p> <p>6 : Values marked with ★ vary with optional T-slotted mold platen.</p> <p>7 : Values marked with ★★ vary with optional insulating plates (10mm) are attached. Values marked with ★★★ vary with optional insulating plates (5mm) are attached.</p> <p>8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.</p> <p>9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.</p> <p>10 : 1MPa=10.2kgf/cm², 1kN=0.102tf</p> |
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Major Specifications

| ITEM | | UNIT | MODEL EC280SXIII | | | | | | | | |
|---|----|---------------------|--------------------------------|------|--------------|------|--------------|-------------|--------------|------|------|
| INJECTION UNIT CODE | | | i10 | | | i17 | | | | | |
| BARREL CODE | | | Y | A | B | Y | AT | | BH | B | |
| | | | | | | | STD | HIGH TORQUE | | | |
| SCREW DIAMETER | | mm | 45 | 50 | 55 | 50 | 60 | | 65 | 70 | |
| INJECTION VOLUME CALCULATED | | cm ³ | 397 | 490 | 593 | 589 | 848 | | 995 | 1155 | |
| SHOT WEIGHT | PS | g | 365 | 450 | 545 | 542 | 780 | | 915 | 1062 | |
| | PE | | 289 | 357 | 432 | 430 | 619 | | 726 | 842 | |
| INJECTION PRESSURE | | MPa | 247 | 200 | 165 | 288 | 200 | | 170 | 147 | |
| | | kgf/cm ² | 2510 | 2040 | 1680 | 2930 | 2040 | | 1730 | 1490 | |
| HOLDING PRESSURE | | MPa | 247 | 200 | 165 | 288 | 200 | | 170 | 147 | |
| | | kgf/cm ² | 2510 | 2040 | 1680 | 2930 | 2040 | | 1730 | 1490 | |
| INJECTION SPEED | | mm/s | 160 | | | 160 | | | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 254 | 314 | 380 | 314 | 452 | | 530 | 616 |
| INJECTION SPEED | | mm/s | 250 | | | - | | | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 397 | 490 | 593 | - | - | | - | - |
| INJECTION SPEED | | mm/s | 350 | | | 300 | | | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 556 | 687 | 831 | 589 | 848 | | 995 | 1155 |
| PLASTICIZING CAPACITY | | PS | kg/h | 120 | 160 | 190 | 160 | 230 | 190 | 250 | 270 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 285 | 255 | 230 | 255 | 220 | 180 | 195 | 180 | |
| SCREW TORQUE | | N-m | 1058 | 1421 | 1421 | 1421 | 2367 | 2900 | 2367 | 2367 | |
| SCREW STROKE | | mm | 250 | | | 300 | | | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 29.4 (3.0) | | | | | | | | |
| CLAMPING FORCE | | kN(tf) | 2745 (280) | | | | | | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 730×660 | | | | | | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 1030×960 | | | | | | | | |
| OPENING STROKE | | mm | 600 | | | | | | | | |
| OPEN DAYLIGHT (Max.) | | mm | 1350 (★1330) (★★1340) | | | | | | | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | mm | 250~750 (★230~730) (★★240~740) | | | | | | | | |
| EJECTION FORCE | | kN(tf) | 59 (6.0) | | | | | | | | |
| EJECTOR STROKE | | mm | 150 | | | | | | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | | 220V SPEC | kW | | 15.3 | 15.9 | 22.4 | | 26.4 | | |
| | | 200V SPEC | kW | | 12.6 | 13.1 | 18.0 | | 21.0 | | |
| APPARENT POWER | | Semi-High Speed | kVA | | 55.6 | | 56.8 | | | | |
| | | STD | kVA | | 37.5 | | - | | | | |
| | | High Speed | kVA | | 76.2 | | 97.7 | | | | |
| MAIN BREAKER CAPACITY | | Semi-High Speed | A | | 125 | | 175 | | | | |
| | | STD | A | | 125 | | - | | | | |
| | | High Speed | A | | 175 | | 225 | | | | |
| SHORT-CIRCUIT CURRENT RATING | | Semi-High Speed | kA | | 36/18 | | 36/18 | | | | |
| | | STD | kA | | 36/18 | | - | | | | |
| | | High Speed | kA | | 36/18 | | 36/18 | | | | |
| POWER | | Semi-High Speed | kW | | 41.2 | | 46.7 | | | | |
| | | STD | kW | | 41.2 | | - | | | | |
| | | High Speed | kW | | 40.6 | | 51.7 | | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 6.7×2.0×■2.2 | | 6.8×2.0×■2.2 | | 6.8×2.0×■2.2 | | 7.0×2.0×■2.2 | | |
| MACHINE WEIGHT | | t | 12.5 | | | 13.8 | | | | | |

MODEL EC280SXIII

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|---|
| <p>Note) 1 : Due to continuous improvements, specifications are subject to change without notice.</p> <p>2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.</p> <p>3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.</p> <p>4 : Min. mold dimensions are 425(H)×390(V). In case of max. clamping force, do not mount smaller mold than described above.</p> <p>5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.</p> <p>6 : Values marked with ★ vary with optional insulating plates (10 mm) are attached. Values marked with ★★ vary with optional insulating plates (5 mm) are attached.</p> <p>7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.</p> <p>8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.</p> <p>9 : 1MPa=10.2kgf/cm² , 1kN=0.102t</p> |
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Major Specifications

| ITEM | | UNIT | MODEL EC350SX III | | | | | | | | | | | | |
|---|----|---------------------|--------------------|--------------------------------|------|------|---------------------------|-------------|------|---------------------------|------|---------------------------|------|---------------------------|------|
| INJECTION UNIT CODE | | | i10 | | | i17 | | | | i26 | | | | | |
| BARREL CODE | | | Y | A | B | Y | AT | | BH | B | AT | | B | | |
| | | | | | | | STD | HIGH TORQUE | | | STD | HIGH TORQUE | STD | HIGH TORQUE | |
| SCREW DIAMETER | | mm | 45 | 50 | 55 | 50 | 60 | | 65 | 70 | 70 | | 80 | | |
| INJECTION VOLUME CALCULATED | | cm ³ | 397 | 490 | 593 | 589 | 848 | | 995 | 1155 | 1340 | | 1750 | | |
| SHOT WEIGHT | PS | g | 365 | 450 | 545 | 542 | 780 | | 915 | 1062 | 1230 | | 1610 | | |
| | PE | | 289 | 357 | 432 | 430 | 619 | | 726 | 842 | 980 | | 1280 | | |
| INJECTION PRESSURE | | MPa | 247 | 200 | 165 | 288 | 200 | | 170 | 147 | 190 | | 145 | | |
| | | kgf/cm ² | 2510 | 2040 | 1680 | 2930 | 2040 | | 1730 | 1490 | 1930 | | 1470 | | |
| HOLDING PRESSURE | | MPa | 247 | 200 | 165 | 288 | 200 | | 170 | 147 | 160 | | 122 | | |
| | | kgf/cm ² | 2510 | 2040 | 1680 | 2930 | 2040 | | 1730 | 1490 | 1630 | | 1240 | | |
| INJECTION SPEED | | STD | mm/s | | | 160 | | | 160 | | | 160 | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 254 | 314 | 380 | 314 | 452 | | 530 | 616 | 615 | | 804 | |
| INJECTION SPEED | | Semi-High Speed | mm/s | | | 250 | | | - | | | - | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 397 | 490 | 593 | - | - | | - | - | - | | - | |
| INJECTION SPEED | | High Speed | mm/s | | | 350 | | | 300 | | | - | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 556 | 687 | 831 | 589 | 848 | | 995 | 1155 | - | | - | |
| PLASTICIZING CAPACITY | | PS | kg/h | 120 | 160 | 190 | 160 | 230 | 190 | 250 | 270 | 260 | 170 | 340 | 230 |
| MAXIMUM SCREW SPEED | | | min ⁻¹ | 285 | 255 | 230 | 255 | 220 | 180 | 195 | 180 | 180 | 120 | 170 | 120 |
| SCREW TORQUE | | | N-m | 1058 | 1421 | 1421 | 1421 | 2367 | 2900 | 2367 | 2367 | 2580 | 3310 | 2580 | 3310 |
| SCREW STROKE | | | mm | 250 | | | 300 | | | 350 | | | | | |
| NOZZLE TOUCH FORCE | | | kN(tf) | 29.4 (3.0) | | | | | | 44.1 (4.5) | | | | | |
| CLAMPING FORCE | | | kN(tf) | 3430 (350) | | | | | | | | | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | | mm | 820×740 | | | | | | | | | | | |
| PLATEN DIMENSIONS (H×V) | | | mm | 1110×1030 | | | | | | | | | | | |
| OPENING STROKE | | | mm | 650 | | | | | | | | | | | |
| OPEN DAYLIGHT (Max.) | | | mm | 1470 (★1450) (★★1460) | | | | | | | | | | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | | mm | 300~820 (★280~800) (★★290~810) | | | | | | | | | | | |
| EJECTION FORCE | | | kN(tf) | 59 (6.0) | | | | | | | | | | | |
| EJECTOR STROKE | | | mm | 150 | | | | | | | | | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | | 220V SPEC | kW | 15.3 | | 15.9 | | 22.4 | | 26.4 | | 22.3 | | 26.5 | |
| | | 200V SPEC | | 12.6 | | 13.1 | | 18.6 | | 21.8 | | 18.5 | | 20.0 | |
| APPARENT POWER | | Semi-High Speed | kVA | 55.6 | | | 56.8 | | | 74.7 | | | | | |
| | | STD | | 37.5 | | | - | | | - | | | | | |
| | | High Speed | | 76.2 | | | 97.7 | | | - | | | | | |
| MAIN BREAKER CAPACITY | | Semi-High Speed | A | 125 | | | 175 | | | 200 | | | | | |
| | | STD | | 125 | | | - | | | - | | | | | |
| | | High Speed | | 175 | | | 225 | | | - | | | | | |
| SHORT-CIRCUIT CURRENT RATING | | Semi-High Speed | kA | 36/18 | | | 36/18 | | | 36/18 | | | | | |
| | | STD | | 36/18 | | | - | | | - | | | | | |
| | | High Speed | | 36/18 | | | 36/18 | | | - | | | | | |
| POWER | | Semi-High Speed | kW | 41.2 | | | 46.7 | | | 82.3 | | | | | |
| | | STD | | 41.2 | | | - | | | - | | | | | |
| | | High Speed | | 40.6 | | | 51.7 | | | - | | | | | |
| MACHINE DIMENSIONS (L×W×H) | | | m | 7.2×2.1× [■] 2.2 | | | 7.2×2.1× [■] 2.2 | | | 7.3×2.1× [■] 2.2 | | 7.4×2.1× [■] 2.2 | | 7.6×2.1× [■] 2.2 | |
| MACHINE WEIGHT | | | t | 15.3 | | | 16.5 | | | 17.5 | | | | | |

MODEL EC350SX III

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 470(H)×430(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10mm) are attached. Values marked with ★★ vary with optional insulating plates (5mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with [■]Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1MPa=10.2kgf/cm², 1kN=0.102t

Major Specifications

| ITEM | | UNIT | MODEL EC450SX III | | | | | | | | | | | | |
|---|---------------------|--------------------|---------------------------------|------|------|------|--------------|------|-------------|------|--------------|------|--------------|------|------|
| INJECTION UNIT CODE | | | i17 | | | | i26 | | | | i36 | | | | |
| BARREL CODE | Y | AT | | BH | 0 | AT | | B | | AT | | B | | | |
| | | STD | HIGH TORQUE | | | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | | | | |
| SCREW DIAMETER | mm | 50 | 60 | 65 | 70 | 70 | 80 | 80 | 90 | | | | | | |
| INJECTION VOLUME CALCULATED | cm ³ | 589 | 848 | 995 | 1155 | 1340 | 1750 | 1880 | 2380 | | | | | | |
| SHOT WEIGHT | PS | g | 542 | 780 | 915 | 1062 | 1230 | 1610 | 1730 | 2190 | | | | | |
| | PE | g | 430 | 619 | 726 | 842 | 980 | 1280 | 1370 | 1740 | | | | | |
| INJECTION PRESSURE | MPa | | 288 | 200 | 170 | 147 | 190 | 145 | 190 | 150 | | | | | |
| | kgf/cm ² | | 2930 | 2040 | 1730 | 1490 | 1930 | 1470 | 1930 | 1530 | | | | | |
| HOLDING PRESSURE | MPa | | 288 | 200 | 170 | 147 | 160 | 122 | 160 | 126 | | | | | |
| | kgf/cm ² | | 2930 | 2040 | 1730 | 1490 | 1630 | 1240 | 1630 | 1280 | | | | | |
| INJECTION SPEED | STD | mm/s | 160 | | | | 160 | | | | 140 | | | | |
| INJECTION RATE (MAX.) | | cm ³ /s | 314 | 452 | 530 | 616 | 615 | 804 | 704 | 891 | | | | | |
| INJECTION SPEED | High Speed | mm/s | 300 | | | | - | | | | - | | | | |
| INJECTION RATE (MAX.) | | cm ³ /s | 589 | 848 | 995 | 1155 | - | - | - | - | | | | | |
| PLASTICIZING CAPACITY | PS | kg/h | 160 | 230 | 190 | 250 | 270 | 260 | 170 | 340 | 230 | 340 | 220 | 400 | 280 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 255 | 220 | 180 | 195 | 180 | 180 | 120 | 170 | 120 | 170 | 115 | 150 | 115 |
| SCREW TORQUE | | N-m | 1421 | 2367 | 2900 | 2367 | 2367 | 2580 | 3310 | 2580 | 3310 | 3310 | 4610 | 3310 | 4610 |
| SCREW STROKE | | mm | 300 | | | | 350 | | | | 375 | | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 29.4 (3.0) | | | | 44.1 (4.5) | | | | 58.8 (6.0) | | | | |
| CLAMPING FORCE | | kN(tf) | 4410 (450) | | | | | | | | | | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 870×810 | | | | | | | | | | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 1230×1160 | | | | | | | | | | | | |
| OPENING STROKE | | mm | 800 | | | | | | | | | | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 1800 (★1780) (★★1790) | | | | | | | | | | | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | mm | 350~1000 (★330~980) (★★340~990) | | | | | | | | | | | | |
| EJECTION FORCE | | kN(tf) | 127 (13.0) | | | | | | | | | | | | |
| EJECTOR STROKE | | mm | 180 | | | | | | | | | | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220 V SPEC | kW | 22.4 | | 26.4 | | 22.3 | | 26.5 | | 29.7 | | 34.2 | | |
| | 200 V SPEC | | 18.6 | | 21.8 | | 18.5 | | 20.0 | | 24.9 | | 28.7 | | |
| APPARENT POWER | STD | kVA | 71.8 | | | | 78.3 | | | | 85.0 | | | | |
| | High Speed | | 98.4 | | | | - | | | | - | | | | |
| MAIN BREAKER CAPACITY | STD | A | 175 | | | | 200 | | | | 200 | | | | |
| | High Speed | | 225 | | | | - | | | | - | | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 8.1×2.2×■2.2 | | | | 8.1×2.2×■2.2 | | | | 8.4×2.2×■2.4 | | 8.6×2.2×■2.4 | | |
| MACHINE WEIGHT | | t | 21.7 | | | | 22.5 | | | | 23.9 | | | | |

MODEL EC450SX III

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| <p>Note) 1 : Due to continuous improvements, specifications are subject to change without notice. 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition. 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions. 4 : Min. mold dimensions are 500(H) × 500(V). In case of max. clamping force, do not mount smaller mold than described above. 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details. 6 : Values marked with ★ vary with optional insulating plates (10 mm) are attached. Values marked with ★★ vary with optional insulating plates (5 mm) are attached. 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE. 8 : Values marked with ■ Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details. 9 : 1 MPa=10.2kgf/cm², 1 kN=0.102tf</p> |
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Major Specifications

| ITEM | | UNIT | MODEL EC550SX III | | | | | | | | | | | | |
|---|---------------------|--------------------|---------------------------------|-------------|------|------|--------------|-------------|------|-------------|--------------|-------------|--------------|------|------|
| INJECTION UNIT CODE | | | i17 | | | | i26 | | | | i36 | | | | |
| BARREL CODE | Y | STD | AT | | BH | 0 | AT | | B | | AT | | B | | |
| | | | STD | HIGH TORQUE | | | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | | | |
| SCREW DIAMETER | mm | 50 | 60 | | 65 | 70 | 70 | | 80 | | 80 | | 90 | | |
| INJECTION VOLUME CALCULATED | cm ³ | 589 | 848 | | 995 | 1155 | 1340 | | 1750 | | 1880 | | 2380 | | |
| SHOT WEIGHT | PS | g | 542 | 780 | 915 | 1062 | 1230 | | 1610 | | 1730 | | 2190 | | |
| | PE | g | 430 | 619 | 726 | 842 | 980 | | 1280 | | 1370 | | 1740 | | |
| INJECTION PRESSURE | MPa | 288 | 200 | | 170 | 147 | 190 | | 145 | | 190 | | 150 | | |
| | kgf/cm ² | 2930 | 2040 | | 1730 | 1490 | 1930 | | 1470 | | 1930 | | 1530 | | |
| HOLDING PRESSURE | MPa | 288 | 200 | | 170 | 147 | 160 | | 122 | | 160 | | 126 | | |
| | kgf/cm ² | 2930 | 2040 | | 1730 | 1490 | 1630 | | 1240 | | 1630 | | 1280 | | |
| INJECTION SPEED | STD | mm/s | 160 | | | | 160 | | | | 140 | | | | |
| INJECTION RATE (MAX.) | STD | cm ³ /s | 314 | 452 | | 530 | 616 | 615 | | 804 | | 704 | | 891 | |
| INJECTION SPEED | High Speed | mm/s | 300 | | | | - | | | | - | | | | |
| INJECTION RATE (MAX.) | High Speed | cm ³ /s | 589 | 848 | | 995 | 1155 | - | - | - | - | - | - | - | - |
| PLASTICIZING CAPACITY | PS | kg/h | 160 | 230 | 190 | 250 | 270 | 260 | 170 | 340 | 230 | 340 | 220 | 400 | 280 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 255 | 220 | 180 | 195 | 180 | 180 | 120 | 170 | 120 | 170 | 115 | 150 | 115 |
| SCREW TORQUE | | N-m | 1421 | 2367 | 2900 | 2367 | 2367 | 2580 | 3310 | 2580 | 3310 | 3310 | 4610 | 3310 | 4610 |
| SCREW STROKE | | mm | 300 | | | | 350 | | | | 375 | | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 29.4 (3.0) | | | | 44.1 (4.5) | | | | 58.8 (6.0) | | | | |
| CLAMPING FORCE | | kN(tf) | 5393 (550) | | | | | | | | | | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 970×910 | | | | | | | | | | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 1365×1300 | | | | | | | | | | | | |
| OPENING STROKE | | mm | 900 | | | | | | | | | | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 1900 (★1880) (★★1890) | | | | | | | | | | | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | mm | 400~1000 (★380~980) (★★390~990) | | | | | | | | | | | | |
| EJECTION FORCE | | kN(tf) | 127 (13.0) | | | | | | | | | | | | |
| EJECTOR STROKE | | mm | 180 | | | | | | | | | | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220 V SPEC | kW | 22.5 | | 26.5 | | 22.3 | | 26.5 | | 29.8 | | 34.3 | | |
| | 200 V SPEC | | 18.7 | | 21.9 | | 18.5 | | 20.0 | | 24.9 | | 28.7 | | |
| APPARENT POWER | STD | kVA | 71.8 | | | | 72.4 | | | | 83.8 | | | | |
| | High Speed | | 98.4 | | | | - | | | | - | | | | |
| MAIN BREAKER CAPACITY | STD | A | 175 | | | | 200 | | | | 200 | | | | |
| | High Speed | | 225 | | | | - | | | | - | | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 8.4×2.3×■2.4 | | | | 8.4×2.3×■2.4 | | | | 8.7×2.3×■2.4 | | 8.9×2.4×■2.4 | | |
| MACHINE WEIGHT | | t | 26.3 | | | | 27.1 | | | | 28.5 | | | | |

MODEL EC550SX III

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 565(H) × 535(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10 mm) are attached. Values marked with ★★ vary with optional insulating plates (5 mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1 MPa=10.2kgf/cm², 1 kN=0.102tf

Major Specifications

| ITEM | | UNIT | MODEL EC650SX III | | | | | | | |
|--|-----------|---------------------|----------------------|-------------|------|-------------|---------------|-------------|---------------|-------------|
| INJECTION UNIT CODE | | | i61 | | | | i78 | | | |
| BARREL CODE | | | A | | B | | A | | B | |
| | | | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE |
| SCREW DIAMETER | | mm | 95 | | 105 | | 105 | | 120 | |
| INJECTION VOLUME CALCULATED | | cm ³ | 3150 | | 3850 | | 4320 | | 5650 | |
| SHOT WEIGHT | PS | g | 2900 | | 3540 | | 3980 | | 5200 | |
| | PE | | 2300 | | 2810 | | 3160 | | 4120 | |
| INJECTION PRESSURE | | MPa | 180 | | 147 | | 180 | | 138 | |
| | | kgf/cm ² | 1830 | | 1500 | | 1830 | | 1400 | |
| HOLDING PRESSURE | | MPa | 150 | | 123 | | 150 | | 115 | |
| | | kgf/cm ² | 1530 | | 1255 | | 1530 | | 1170 | |
| INJECTION SPEED | STD | mm/s | 150 | | | | 150 | | | |
| INJECTION RATE (MAX.) | | cm ³ /s | 1060 | | 1290 | | 1290 | | 1690 | |
| PLASTICIZING CAPACITY | PS | kg/h | 420 | 290 | 490 | 370 | 490 | 270 | 580 | 370 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 140 | 95 | 127 | 95 | 127 | 71 | 110 | 71 |
| SCREW TORQUE | | N-m | 5500 | 7090 | 5500 | 7090 | 7090 | 10300 | 7090 | 10300 |
| SCREW STROKE | | mm | 445 | | | | 500 | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 58.8 (6.0) | | | | 58.8 (6.0) | | | |
| CLAMPING FORCE | | kN(tf) | 6370 (650) | | | | | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 1060×960 | | | | | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 1500×1400 | | | | | | | |
| OPENING STROKE | | mm | 1000 | | | | | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 2050 (★2030) | | | | | | | |
| CLOSED DAYLIGHT (MIN.~MAX. MOLD) | | mm | 450~1050 (★430~1030) | | | | | | | |
| EJECTION FORCE | | kN(tf) | 177 (18.0) | | | | | | | |
| EJECTOR STROKE | | mm | 200 | | | | | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220V SPEC | kW | 44.4 | | | | 57.2 | | | |
| | 200V SPEC | | 37.1 | | | | 47.6 | | | |
| APPARENT POWER | STD | kVA | 115 | | | | 141 | | | |
| MAIN BREAKER CAPACITY | STD | A | 300 | | | | 350 | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 10.1×2.5×■2.6 | | | | 10.4×2.5×■2.7 | | 10.7×2.5×■2.7 | |
| MACHINE WEIGHT | | t | 40.0 | | | | 41.5 | | | |

MODEL EC650SX III

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 660(H) × 610(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1MPa=10.2kgf/cm², 1kN=0.102tf

Major Specifications

| ITEM | | UNIT | MODEL EC850SX III | | | | | | | |
|--|-----------|---------------------|----------------------|-------------|------|-------------|---------------|-------------|---------------|-------------|
| INJECTION UNIT CODE | | | i61 | | | | i78 | | | |
| BARREL CODE | | | A | | B | | A | | B | |
| | | | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE |
| SCREW DIAMETER | | mm | 95 | | 105 | | 105 | | 120 | |
| INJECTION VOLUME CALCULATED | | cm ³ | 3150 | | 3850 | | 4320 | | 5650 | |
| SHOT WEIGHT | PS | g | 2900 | | 3540 | | 3980 | | 5200 | |
| | PE | | 2300 | | 2810 | | 3160 | | 4120 | |
| INJECTION PRESSURE | | MPa | 180 | | 147 | | 180 | | 138 | |
| | | kgf/cm ² | 1830 | | 1500 | | 1830 | | 1400 | |
| HOLDING PRESSURE | | MPa | 150 | | 123 | | 150 | | 115 | |
| | | kgf/cm ² | 1530 | | 1255 | | 1530 | | 1170 | |
| INJECTION SPEED | STD | mm/s | 150 | | | | 150 | | | |
| INJECTION RATE (MAX.) | | cm ³ /s | 1060 | | 1290 | | 1290 | | 1690 | |
| PLASTICIZING CAPACITY | PS | kg/h | 420 | 290 | 490 | 370 | 490 | 270 | 580 | 370 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 140 | 95 | 127 | 95 | 127 | 71 | 110 | 71 |
| SCREW TORQUE | | N-m | 5500 | 7090 | 5500 | 7090 | 7090 | 10300 | 7090 | 10300 |
| SCREW STROKE | | mm | 445 | | | | 500 | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 58.8 (6.0) | | | | 58.8 (6.0) | | | |
| CLAMPING FORCE | | kN(tf) | 8330 (850) | | | | | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 1320×1320 | | | | | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 1790×1790 | | | | | | | |
| OPENING STROKE | | mm | 1200 | | | | | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 2300 (★2280) | | | | | | | |
| CLOSED DAYLIGHT (MIN.~MAX. MOLD) | | mm | 500~1100 (★480~1080) | | | | | | | |
| EJECTION FORCE | | kN(tf) | 177 (18.0) | | | | | | | |
| EJECTOR STROKE | | mm | 200 | | | | | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220V SPEC | kW | 44.4 | | | | 57.2 | | | |
| | 200V SPEC | | 37.1 | | | | 47.6 | | | |
| APPARENT POWER | STD | kVA | 115 | | | | 141 | | | |
| MAIN BREAKER CAPACITY | STD | A | 300 | | | | 350 | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 11.0×2.9×■2.7 | | | | 11.0×2.9×■2.8 | | 11.3×2.9×■2.8 | |
| MACHINE WEIGHT | | t | 52.1 | | | | 53.6 | | | |

MODEL EC850SX III

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 795(H) × 795(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1MPa=10.2kgf/cm² , 1kN=0.102t

Major Specifications

| ITEM | | UNIT | MODEL EC1000SXIII | | | | | | | |
|--|-----------|---------------------|----------------------|-------------|------|-------------|---------------|-------------|---------------|-------------|
| INJECTION UNIT CODE | | | i61 | | | | i78 | | | |
| BARREL CODE | | | A | | B | | A | | B | |
| | | | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE |
| SCREW DIAMETER | | mm | 95 | | 105 | | 105 | | 120 | |
| INJECTION VOLUME CALCULATED | | cm ³ | 3150 | | 3850 | | 4320 | | 5650 | |
| SHOT WEIGHT | PS | g | 2900 | | 3540 | | 3980 | | 5200 | |
| | PE | | 2300 | | 2810 | | 3160 | | 4120 | |
| INJECTION PRESSURE | | MPa | 180 | | 147 | | 180 | | 138 | |
| | | kgf/cm ² | 1830 | | 1500 | | 1830 | | 1400 | |
| HOLDING PRESSURE | | MPa | 150 | | 123 | | 150 | | 115 | |
| | | kgf/cm ² | 1530 | | 1255 | | 1530 | | 1170 | |
| INJECTION SPEED | STD | mm/s | 150 | | | | 150 | | | |
| INJECTION RATE (MAX.) | | cm ³ /s | 1060 | | 1290 | | 1290 | | 1690 | |
| PLASTICIZING CAPACITY | PS | kg/h | 420 | 290 | 490 | 370 | 490 | 270 | 580 | 370 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 140 | 95 | 127 | 95 | 127 | 71 | 110 | 71 |
| SCREW TORQUE | | N-m | 5500 | 7090 | 5500 | 7090 | 7090 | 10300 | 7090 | 10300 |
| SCREW STROKE | | mm | 445 | | | | 500 | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 58.8 (6.0) | | | | 58.8 (6.0) | | | |
| CLAMPING FORCE | | kN(tf) | 9800 (1000) | | | | | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 1300×1300 | | | | | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 1790×1790 | | | | | | | |
| OPENING STROKE | | mm | 1200 | | | | | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 2300 (★2280) | | | | | | | |
| CLOSED DAYLIGHT (MIN.~MAX. MOLD) | | mm | 500~1100 (★480~1080) | | | | | | | |
| EJECTION FORCE | | kN(tf) | 177 (18.0) | | | | | | | |
| EJECTOR STROKE | | mm | 200 | | | | | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220V SPEC | kW | 44.4 | | | | 57.2 | | | |
| | 200V SPEC | | 37.1 | | | | 47.6 | | | |
| APPARENT POWER | STD | kVA | 115.0 | | | | 140.7 | | | |
| MAIN BREAKER CAPACITY | STD | A | 250 | | | | 300 | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 11.0×2.9×■2.7 | | | | 11.0×2.9×■2.8 | | 11.3×2.9×■2.8 | |
| MACHINE WEIGHT | | t | 54.7 | | | | 56.2 | | | |

MODEL EC1000SXIII

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 880(H) × 880(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1MPa=10.2kgf/cm², 1kN=0.102tf

Major Specifications

| ITEM | | UNIT | MODEL EC1300SXIII | | | | | | | | | | | |
|---|--|---------------------|----------------------|-------------|------|-------------|----------------------|-------------|------|-------------|----------------------|---------------------|---------------|---------------------|
| INJECTION UNIT CODE | | | i78 | | | | i120 | | | | i155 | | | |
| BARREL CODE | | | A | | B | | A | | B | | A | | B | |
| | | | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH PLASTICIZATION | STD | HIGH PLASTICIZATION |
| SCREW DIAMETER | | mm | 105 | | 120 | | 115 | | 125 | | 125 | | 140 | |
| INJECTION VOLUME CALCULATED | | cm ³ | 4320 | | 5650 | | 6560 | | 7750 | | 8430 | | 10570 | |
| SHOT WEIGHT | | PS | 3980 | | 5200 | | 6040 | | 7130 | | 7750 | | 9730 | |
| | | PE | 3160 | | 4120 | | 4790 | | 5660 | | 6150 | | 7720 | |
| INJECTION PRESSURE | | MPa | 180 | | 138 | | 180 | | 152 | | 180 | | 143 | |
| | | kgf/cm ² | 1830 | | 1400 | | 1830 | | 1550 | | 1830 | | 1450 | |
| HOLDING PRESSURE | | MPa | 150 | | 115 | | 150 | | 127 | | 150 | | 119 | |
| | | kgf/cm ² | 1530 | | 1170 | | 1530 | | 1295 | | 1530 | | 1210 | |
| INJECTION SPEED | | mm/s | 150 | | | | 140 | | | | 135 | | | |
| INJECTION RATE (MAX.) | | cm ³ /s | 1290 | | 1690 | | 1450 | | 1710 | | 1650 | | 2070 | |
| PLASTICIZING CAPACITY | | PS | 490 | 270 | 580 | 370 | 520 | 370 | 580 | 440 | 590 | — | 690 | — |
| | | PP+TALC | — | — | — | — | — | — | — | — | — | 640 | — | 800 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 127 | 71 | 110 | 71 | 110 | 78 | 101 | 78 | 101 | 127 | 90 | 114 |
| SCREW TORQUE | | N·m | 7090 | 10300 | 7090 | 10300 | 9150 | 13700 | 9150 | 13700 | 14500 | 9260 | 14500 | 11430 |
| SCREW STROKE | | mm | 500 | | | | 632.5 | | | | 687.5 | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 58.8 (6.0) | | | | 92.4 (9.4) | | | | 92.4 (9.4) | | | |
| CLAMPING FORCE | | kN(tf) | 12700 (1300) | | | | 12700 (1300) | | | | 12700 (1300) | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 1410×1410 | | | | 1410×1410 | | | | 1410×1410 | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 2000×2000 | | | | 2000×2000 | | | | 2000×2000 | | | |
| OPENING STROKE | | mm | 1500 | | | | 1500 | | | | 1500 | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 2800 (★2780) | | | | 2800 (★2780) | | | | 2800 (★2780) | | | |
| CLOSED DAYLIGHT (MIN.~MAX. MOLD) | | mm | 650~1300 (★630~1280) | | | | 650~1300 (★630~1280) | | | | 650~1300 (★630~1280) | | | |
| EJECTION FORCE | | kN(tf) | 280 (28.5) | | | | 280 (28.5) | | | | 280 (28.5) | | | |
| EJECTOR STROKE | | mm | 250 | | | | 250 | | | | 250 | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | | 220V SPEC | 57.2 | | 60.9 | | 69.4 | | 67.6 | | 82.6 | | | |
| | | 200V SPEC | 47.6 | | 50.2 | | 57.3 | | 56.2 | | 68.2 | | | |
| APPARENT POWER | | STD | 141.1 | | | | 163 | | | | 184 | | | |
| MAIN BREAKER CAPACITY | | STD | 350 | | | | 400 | | | | 500 | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 12.8×3.2×■3.1 | | | | 12.8×3.2×■3.2 | | | | 13.1×3.5×■3.3 | | 13.4×3.5×■3.3 | |
| MACHINE WEIGHT | | t | 82 | | | | 89.4 | | | | 110 | | | |

MODEL EC1300SXIII i78

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 820(H) × 820(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1MPa=10.2kgf/cm², 1kN=0.102tf

MODEL EC1300SXIII i120

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 820(H) × 820(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1MPa=10.2kgf/cm², 1kN=0.102tf

MODEL EC1300SXIII i155

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 970(H) × 820(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.
 10 : 1MPa=10.2kgf/cm², 1kN=0.102tf

Major Specifications

| ITEM | | UNIT | MODEL EC1300SXIII W | | | | | | | | | | | |
|---|--|---------------------|----------------------------|-------------|------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|---------------------|----------------------------|---------------------|
| INJECTION UNIT CODE | | | i78 | | | | i120 | | | | i155 | | | |
| BARREL CODE | | | A | | B | | A | | B | | A | | B | |
| | | | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH TORQUE | STD | HIGH PLASTICIZATION | STD | HIGH PLASTICIZATION |
| SCREW DIAMETER | | mm | 105 | | 120 | | 115 | | 125 | | 125 | | 140 | |
| INJECTION VOLUME CALCULATED | | cm ³ | 4320 | | 5650 | | 6560 | | 7750 | | 8430 | | 10570 | |
| SHOT WEIGHT | | PS | 3980 | | 5200 | | 6040 | | 7130 | | 7750 | | 9730 | |
| | | PE | 3160 | | 4120 | | 4790 | | 5660 | | 6150 | | 7720 | |
| INJECTION PRESSURE | | MPa | 180 | | 138 | | 180 | | 152 | | 180 | | 143 | |
| | | kgf/cm ² | 1830 | | 1400 | | 1830 | | 1550 | | 1830 | | 1450 | |
| HOLDING PRESSURE | | MPa | 150 | | 115 | | 150 | | 127 | | 150 | | 119 | |
| | | kgf/cm ² | 1530 | | 1170 | | 1530 | | 1295 | | 1530 | | 1210 | |
| INJECTION SPEED | | mm/s | 150 | | | | 140 | | | | 135 | | | |
| INJECTION RATE (MAX.) | | cm ³ /s | 1290 | | 1690 | | 1450 | | 1710 | | 1650 | | 2070 | |
| PLASTICIZING CAPACITY | | PS | 490 | 270 | 580 | 370 | 520 | 370 | 580 | 440 | 590 | — | 690 | — |
| | | PP+TALC | — | — | — | — | — | — | — | — | — | 640 | — | 800 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 127 | 71 | 110 | 71 | 110 | 78 | 101 | 78 | 101 | 127 | 90 | 114 |
| SCREW TORQUE | | N·m | 7090 | 10300 | 7090 | 10300 | 9150 | 13700 | 9150 | 13700 | 14500 | 9260 | 14500 | 11430 |
| SCREW STROKE | | mm | 500 | | | | 632.5 | | | | 687.5 | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 58.8 (6.0) | | | | 92.4 (9.4) | | | | 92.4(9.4) | | | |
| CLAMPING FORCE | | kN(tf) | 12700(1300) | | | | 12700(1300) | | | | 12700(1300) | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 1710×1410 | | | | 1710×1410 | | | | 1710×1410 | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 2300×2000 | | | | 2300×2000 | | | | 2300×2000 | | | |
| OPENING STROKE | | mm | 1500 | | | | 1500 | | | | 1500 | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 2800 (★2780) | | | | 2800 (★2780) | | | | 2800 (★2780) | | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | mm | 650~1300 (★630~1280) | | | | 650~1300 (★630~1280) | | | | 650~1300 (★630~1280) | | | |
| EJECTION FORCE | | kN(tf) | 280 (28.5) | | | | 280 (28.5) | | | | 280 (28.5) | | | |
| EJECTOR STROKE | | mm | 250 | | | | 250 | | | | 250 | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | | 220V SPEC | 57.2 | | | | 60.9 | | 69.4 | | 67.6 | | 82.6 | |
| | | 200V SPEC | 47.6 | | | | 50.2 | | 57.3 | | 56.2 | | 68.2 | |
| APPARENT POWER | | STD | 141.1 | | | | 163 | | | | 184 | | | |
| MAIN BREAKER CAPACITY | | A | 350 | | | | 400 | | | | 500 | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 12.8×3.5× [■] 3.1 | | | | 12.7×3.5× [■] 3.1 | | 12.8×3.5× [■] 3.1 | | 13.1×3.5× [■] 3.3 | | 13.4×3.5× [■] 3.3 | |
| MACHINE WEIGHT | | t | 88.9 | | | | 95.9 | | | | 110 | | | |

MODEL EC1300SXIII W i78

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 970(H) × 820(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10 mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1MPa=10.2kgf/cm², 1 kN=0.102tf

MODEL EC1300SXIII W i120

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 970(H) × 820(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10 mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : 1MPa=10.2kgf/cm², 1 kN=0.102tf

MODEL EC1300SXIII W i155

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 970(H) × 820(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
 6 : Values marked with ★ vary with optional insulating plates (10 mm) are attached.
 7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 9 : The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.
 10: 1MPa=10.2kgf/cm², 1 kN=0.102tf

Major Specifications

| ITEM | | UNIT | MODEL EC1600SXW | | | | MODEL EC1800SX | | | |
|--|---------------------|--------------------|-----------------|------|--------------|-------|----------------|------|--------------|-------|
| INJECTION UNIT CODE | | | i120 | | i155 | | i120 | | i155 | |
| BARREL CODE | | | A | B | A | B | A | B | A | B |
| SCREW DIAMETER | | mm | 115 | 125 | 125 | 140 | 115 | 125 | 125 | 140 |
| INJECTION VOLUME CALCULATED | | cm ³ | 6560 | 7750 | 8430 | 10570 | 6560 | 7750 | 8430 | 10570 |
| SHOT WEIGHT | PS | g | 6040 | 7130 | 7755 | 9730 | 6040 | 7130 | 7755 | 9730 |
| | PE | g | 4790 | 5660 | 6150 | 7720 | 4790 | 5660 | 6150 | 7720 |
| INJECTION PRESSURE | MPa | | 180 | 152 | 180 | 143 | 180 | 152 | 180 | 143 |
| | kgf/cm ² | | 1830 | 1550 | 1830 | 1450 | 1830 | 1550 | 1830 | 1450 |
| HOLDING PRESSURE | MPa | | 150 | 127 | 150 | 119 | 150 | 127 | 150 | 119 |
| | kgf/cm ² | | 1530 | 1295 | 1530 | 1210 | 1530 | 1295 | 1530 | 1210 |
| INJECTION SPEED | | mm/s | 140 | | 135 | | 140 | | 135 | |
| INJECTION RATE (MAX) | | cm ³ /s | 1450 | 1710 | 1650 | 2070 | 1450 | 1710 | 1650 | 2070 |
| PLASTICIZING CAPACITY | PS | kg/h | 650 | 730 | 730 | 880 | 650 | 730 | 730 | 880 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 110 | 127 | 127 | 114 | 110 | 101 | 127 | 114 |
| SCREW TORQUE | | N-m | 8660 | 8660 | 9264 | 11430 | 8660 | 8660 | 9264 | 11430 |
| SCREW STROKE | | mm | 632.5 | | 687.5 | | 632.5 | | 687.5 | |
| NOZZLE TOUCH FORCE | | kN(tf) | 92.2 (9.4) | | | | 92.2 (9.4) | | | |
| CLAMPING FORCE | | kN(tf) | 15700(1600) | | | | 17650(1800) | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 1850×1660 | | | | 1850×1660 | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 2600×2350 | | | | 2600×2350 | | | |
| CLAMP STROKE | | mm | 1700 | | | | 1700 | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 3200 | | | | 3200 | | | |
| CLOSED DAYLIGHT (MIN. MOLD) | | mm | 800~1500 | | | | 800~1500 | | | |
| EJECTION FORCE | | kN(tf) | 431 (44.0) | | | | 431 (44.0) | | | |
| EJECTOR STROKE | | mm | 300 | | | | 300 | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220V SPEC | kW | 50.4 | 57.4 | 58.1 | 70.1 | 50.4 | 57.4 | 58.1 | 70.1 |
| | 200V SPEC | | 61.2 | 70.2 | 69.9 | 84.9 | 61.2 | 70.2 | 69.9 | 84.9 |
| APPARENT POWER | | kVA | 165 | | 185 | | 165 | | 185 | |
| MAIN BRAKER CAPACITY | | A | 400 | | 500 | | 400 | | 500 | |
| MACHINE DIMENSIONS (L×W×H) | | m | 13.7x3.8x3.5 | | 13.9x3.8x3.5 | | 13.7x3.8x3.5 | | 13.9x3.8x3.5 | |
| MACHINE WEIGHT | | t | 132 | | 137 | | 132 | | 137 | |

MODEL EC1600SXW

- Note) 1 : Due to continuous improvements, specifications are subject to change.
 2 : Shot weight and plasticizing capacity vary to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure.
 Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 1300(H) x 1180(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and forming condition.
 Please consult us for more details.
 6 : 1MPa=10.2kgf/cm², 1kN=0.102tf

MODEL EC1800SX

- Note) 1 : Due to continuous improvements, specifications are subject to change.
 2 : Shot weight and plasticizing capacity vary to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure.
 Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 1300(H) x 1180(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and forming condition.
 Please consult us for more details.
 6 : 1MPa=10.2kgf/cm², 1kN=0.102tf

Major Specifications

| ITEM | | UNIT | MODEL EC2000SX | | | |
|--|-----------|---------------------|----------------|------|--------------|-------|
| INJECTION UNIT CODE | | | i120 | | i155 | |
| BARREL CODE | | | A | B | A | B |
| SCREW DIAMETER | | mm | 115 | 125 | 125 | 140 |
| INJECTION VOLUME CALCULATED | | cm ³ | 6560 | 7750 | 8430 | 10570 |
| SHOT WEIGHT | PS | g | 6040 | 7130 | 7755 | 9730 |
| | PE | g | 4790 | 5660 | 6150 | 7720 |
| INJECTION PRESSURE | | MPa | 180 | 152 | 180 | 143 |
| | | kgf/cm ² | 1830 | 1550 | 1830 | 1450 |
| HOLDING PRESSURE | | MPa | 150 | 127 | 150 | 119 |
| | | kgf/cm ² | 1530 | 1295 | 1530 | 1210 |
| INJECTION SPEED | | mm/s | 140 | | 135 | |
| INJECTION RATE (MAX) | | cm ³ /s | 1450 | 1710 | 1650 | 2070 |
| PLASTICIZING CAPACITY | PS | kg/h | 650 | 730 | 730 | 880 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 110 | 101 | 127 | 114 |
| SCREW TORQUE | | N-m | 8660 | 8660 | 9264 | 11430 |
| SCREW STROKE | | mm | 632.5 | | 687.5 | |
| NOZZLE TOUCH FORCE | | kN(tf) | 92.2 (9.4) | | | |
| CLAMPING FORCE | | kN(tf) | 19610(2000) | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 1850×1660 | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 2600×2350 | | | |
| CLAMP STROKE | | mm | 1700 | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 3200 | | | |
| CLOSED DAYLIGHT (MIN. MOLD) | | mm | 800~1500 | | | |
| EJECTION FORCE | | kN(tf) | 431 (44.0) | | | |
| EJECTOR STROKE | | mm | 300 | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | 220V SPEC | kW | 50.4 | 57.4 | 58.1 | 70.1 |
| | 200V SPEC | | 61.2 | 70.2 | 69.9 | 84.9 |
| APPARENT POWER | | kVA | 165 | | 185 | |
| MAIN BRAKER CAPACITY | | A | 400 | | 500 | |
| MACHINE DIMENSIONS (L × W × H) | | m | 13.7x3.8x3.6 | | 13.9x3.8x3.6 | |
| MACHINE WEIGHT | | t | 135 | | 140 | |

MODEL EC2000SX

- Note) 1 : Due to continuous improvements, specifications are subject to change.
 2 : Shot weight and plasticizing capacity vary to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure.
 Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Min. mold dimensions are 1300(H) x 1180(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and forming condition.
 Please consult us for more details.
 6 : 1MPa=10.2kgf/cm², 1kN=0.102tf

Major Specifications

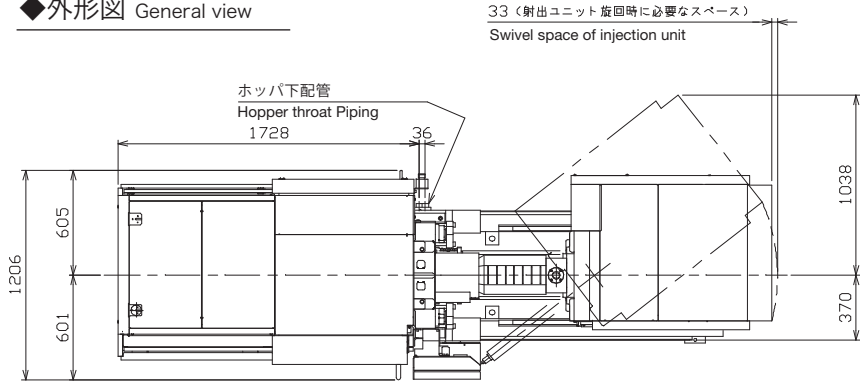
| ITEM | | UNIT | MODEL EC2500SXIII | | | |
|--|-----|---------------------|---------------------------|--------------|---------------------------|--------------|
| INJECTION UNIT CODE | | | I215 | | | |
| BARREL CODE | | | AM | A | BHM | BH |
| | | | STD (for PP) | General Spec | STD(for PP) | General Spec |
| SCREW DIAMETER | | mm | 140 | | 150 | |
| INJECTION VOLUME CALCULATED | | cm ³ | 11840 | | 13600 | |
| SHOT WEIGHT | PS | g | 10890 | | 12510 | |
| | PE | | 8640 | | 9790 | |
| INJECTION PRESSURE | | MPa | 180 | | 160 | |
| | | kgf/cm ² | 1830 | | 1630 | |
| HOLDING PRESSURE | | MPa | 150 | | 140 | |
| | | kgf/cm ² | 1530 | | 1430 | |
| INJECTION SPEED | | mm/s | 130 | | | |
| INJECTION RATE (MAX) | | | cm ³ /s | 2000 | | 2297 |
| PLASTICIZING CAPACITY | | PS | — | 690 | — | 760 |
| | | PP+taic | 900 | 750 | 1050 | 820 |
| MAXIMUM SCREW SPEED | | min ⁻¹ | 114 | 90 | 106 | 85 |
| SCREW TORQUE | | N-m | 12700 | 15900 | 13800 | 17300 |
| SCREW STROKE | | mm | 770 | | | |
| NOZZLE TOUCH FORCE | | kN(tf) | 142 (14.5) | | | |
| CLAMPING FORCE | | kN(tf) | 24500 (2500) | | | |
| DISTANCE BETWEEN TIE RODS (H×V) | | mm | 2120×1820 | | | |
| PLATEN DIMENSIONS (H×V) | | mm | 3000×2350 | | | |
| OPENING STROKE | | mm | 1800 | | | |
| OPEN DAYLIGHT (MAX.) | | mm | 3500 | | | |
| CLOSED DAYLIGHT (MIN.~MAX.MOLD) | | mm | 800~1700 | | | |
| EJECTION FORCE | | kN(tf) | 431 (44) | | | |
| EJECTOR STROKE | | mm | 350 | | | |
| HEATER POWER (STANDARD NOZZLE PROJECTION) | | 220V SPEC | 125 | 85 | 169 | 115 |
| | | 200V SPEC | 103 | 70 | 140 | 95 |
| APPARENT POWER | STD | kVA | 275 | | | |
| MAIN BREAKER CAPACITY | STD | A | 700 | | | |
| MACHINE DIMENSIONS (L×W×H) | | m | 16.3×4.6×3.9 [■] | | 16.6×4.6×3.9 [■] | |
| MACHINE WEIGHT | | t | 200 | | | |

MODEL EC2500SXIII

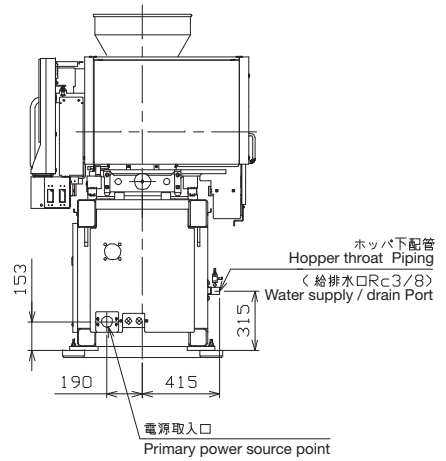
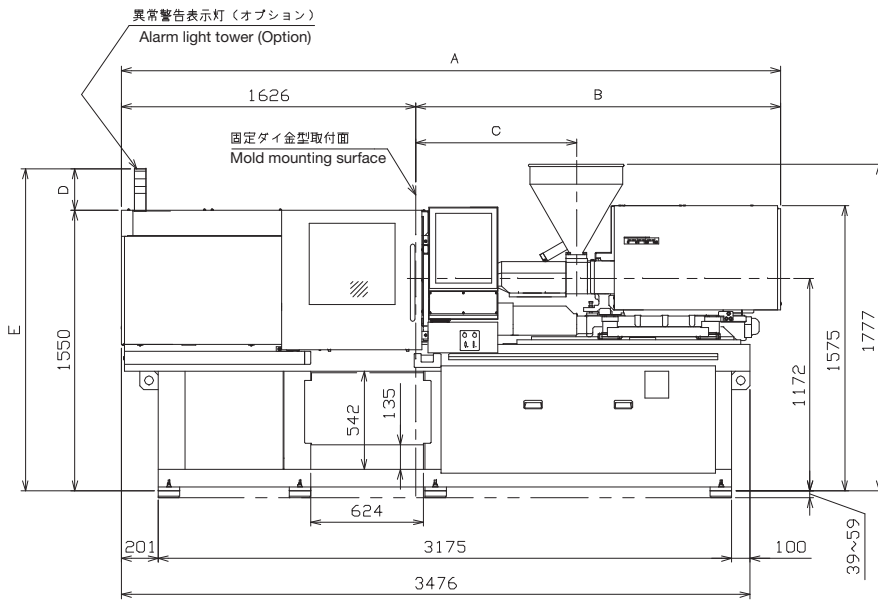
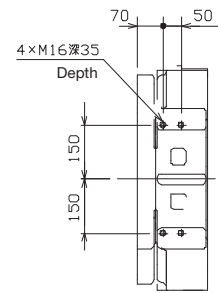
- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
 4 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 5 : Values marked with [■]Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 6 : 1MPa=10.2kgf/cm², 1 kN=0.102tf

EC50SX III

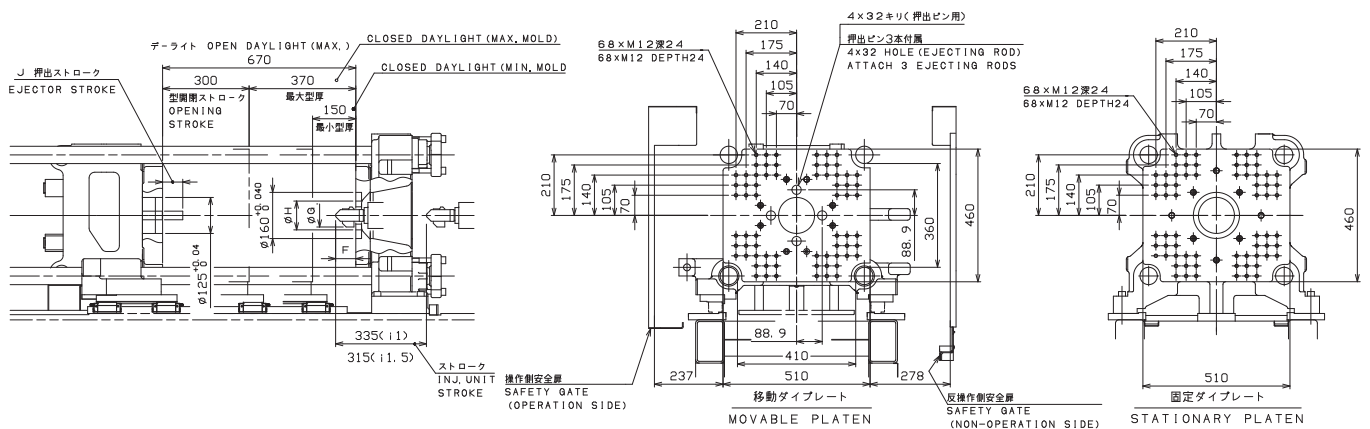
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C |
|--------------------------|------|------|-----|
| i1.5A,Y | 3817 | 2191 | 951 |

| 異常警告表示灯 (オプション) Alarm light tower (Option) | | |
|---|-----|------|
| 段数 Number of stages | D | E |
| 1 | 146 | 1696 |
| 3 | 228 | 1778 |

| ノズル突出量 (F) NOZZLE PROJECTION | |
|---------------------------------|-------------|
| ノズル突出量 (F) | 標準 (STD) 20 |
| i1.5A | 選択仕様 55 |
| | (OPTION) 90 |

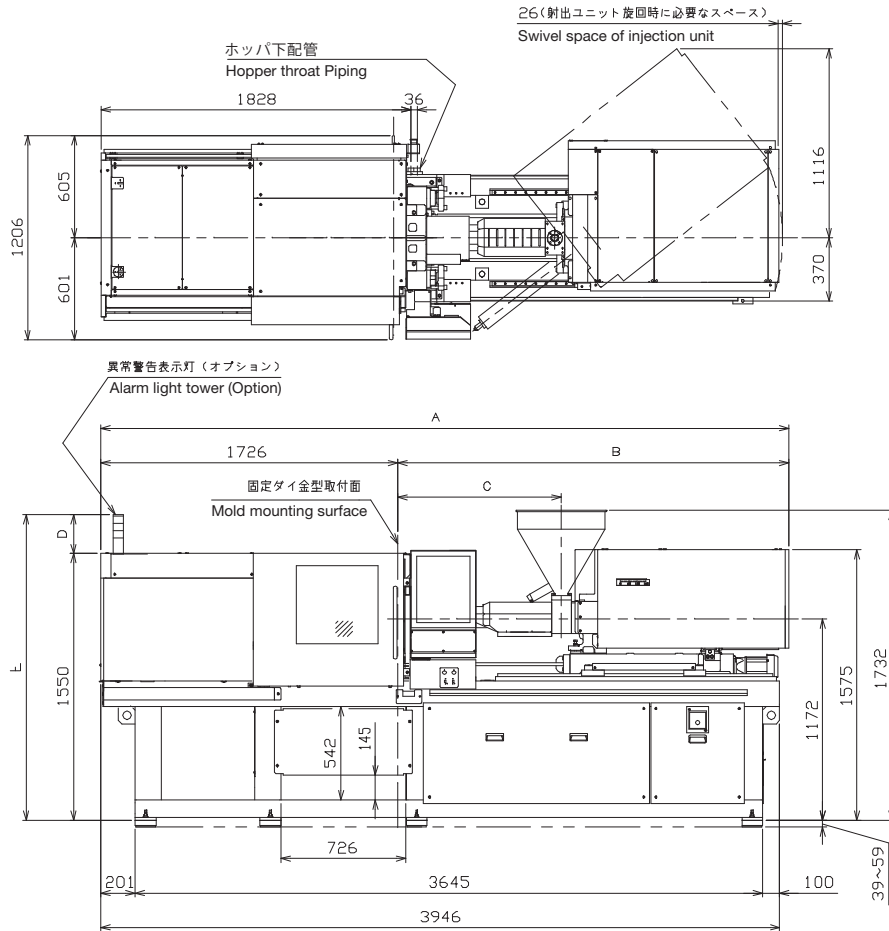
| ロケット穴径 (H) LOCATING RING HOLE DIAMETER | |
|---|--------------------------------|
| ロケット穴径 (H) | 標準 (STD) $\phi 125^{+0.040}_0$ |
| i1.5A | 選択仕様 $\phi 100^{+0.025}_0$ |
| | (OPTION) $\phi 120^{+0.040}_0$ |

| ノズルヒータ外径 (G) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|--|---------------|
| ノズルヒータ外径 (G) | 標準 (STD) 36.7 |
| i1.5A | |

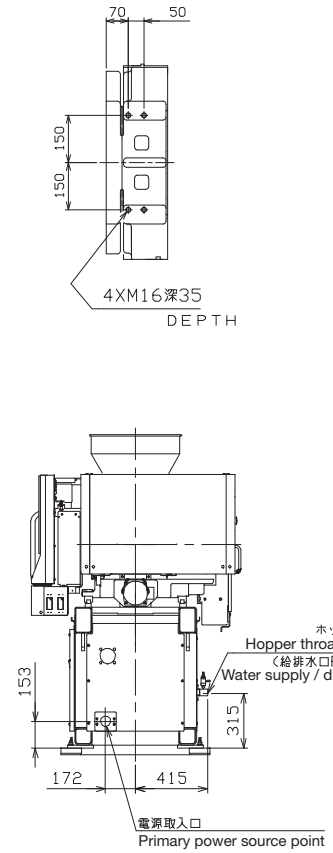
| 押出ストローク (J) EJECTOR STROKE | |
|-------------------------------|-------------------|
| 押出ストローク (J) | 標準 (STD) 70 |
| i1.5A | 選択仕様 (OPTION) 100 |

EC75SX III

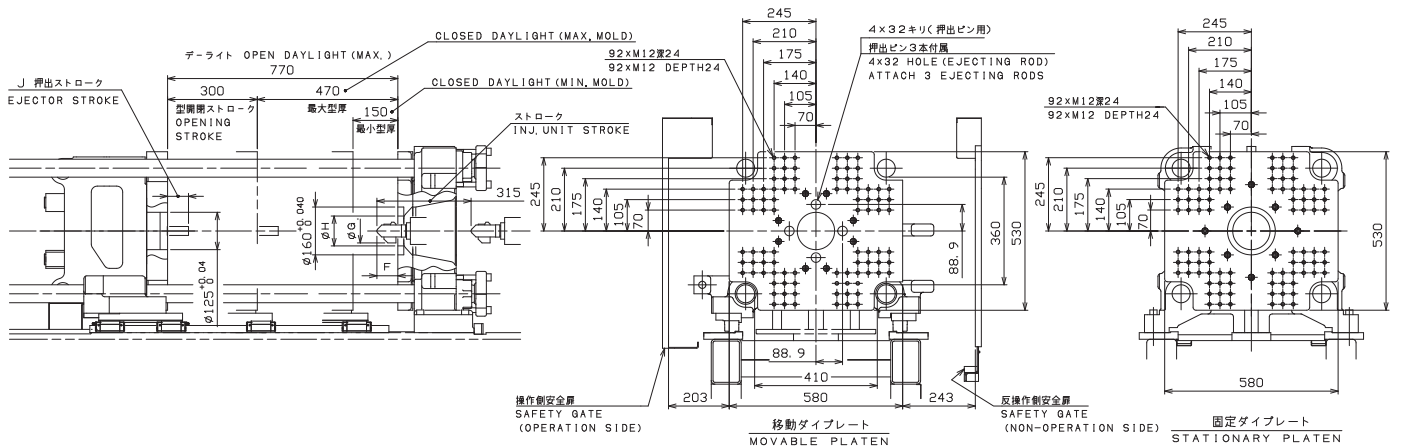
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C |
|--------------------------|------|------|------|
| i2A_Y | 4079 | 2353 | 1033 |
| i2B | 4159 | 2433 | 1113 |

| 異常警告表示灯(オプション) Alarm light tower (Option) | | |
|--|-----|------|
| 段数 Number of stages | D | E |
| 1 | 146 | 1696 |
| 3 | 228 | 1778 |

| ノズル突出量 (F) NOZZLE PROJECTION | |
|---------------------------------|-------------------|
| ノズル突出量 (F) | 標準 (STD) 20 |
| 11.5B | 選択仕様 (OPTION) 55 |
| 12Y | 標準 (STD) 30 |
| 12A | 選択仕様 (OPTION) 65 |
| ? | 標準 (STD) 100 |
| ? | 選択仕様 (OPTION) 135 |

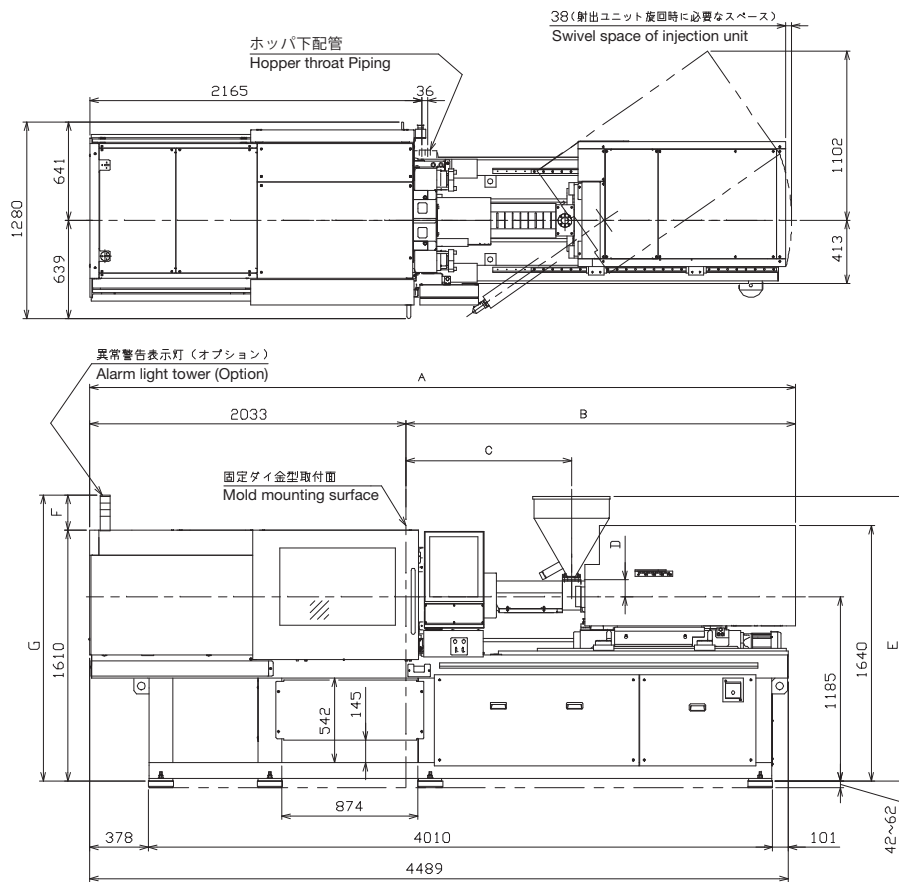
| ノズルヒータ外径 (G) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|---|------|
| ノズルヒータ外径 (G) | 36.7 |
| 11.5B | ? |
| 12Y | ? |
| 12A | 80 |
| ? | ? |

| ロケット穴径 (H) LOCATING RING HOLE DIAMETER | |
|---|-------------------------------------|
| ロケット穴径 (H) | 標準 (STD) $\phi 125^{+0.340}_0$ |
| 11.5B | 選択仕様 (OPTION) $\phi 100^{+0.095}_0$ |
| 12Y | 選択仕様 (OPTION) $\phi 120^{+0.040}_0$ |

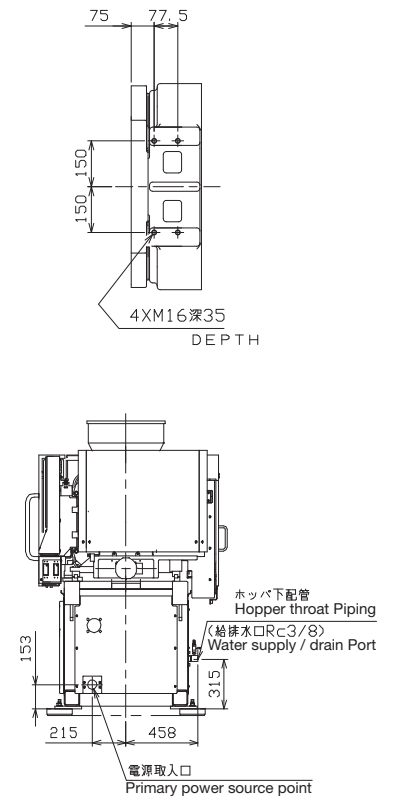
| 押出ストローク (J) EJECTOR STROKE | |
|-------------------------------|-------------------|
| 押出ストローク (J) | 標準 (STD) 70 |
| 11.5B | 選択仕様 (OPTION) 100 |

EC100SX III

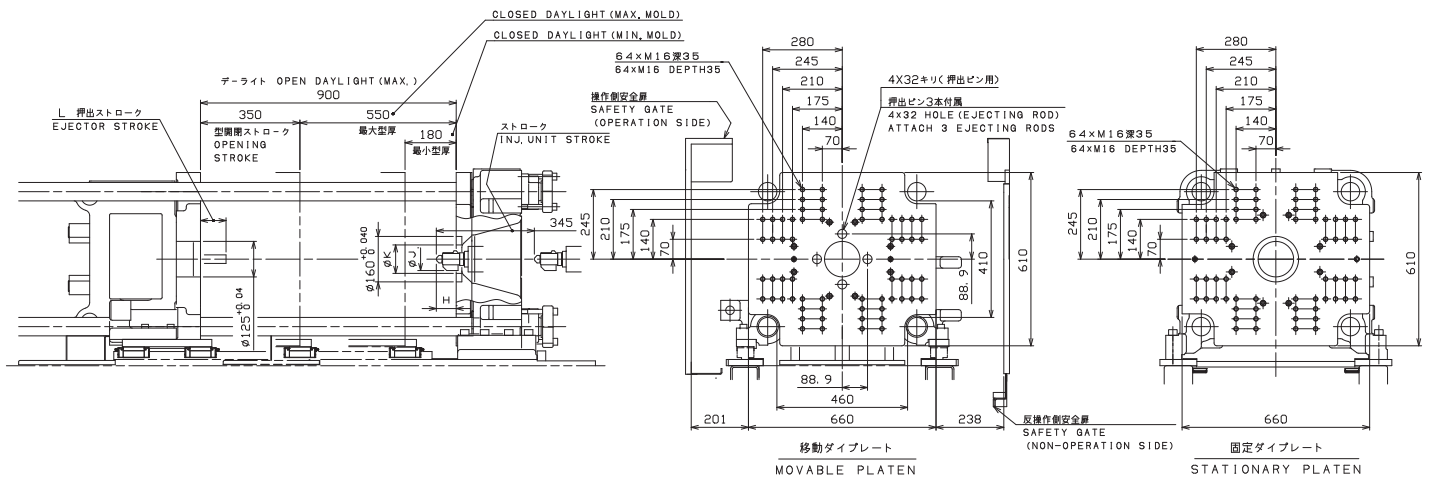
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C | D | E |
|--------------------------|------|------|------|-----|------|
| i2A,Y | 4536 | 2503 | 1063 | 110 | 1917 |
| i2B | 4616 | 2583 | 1143 | 110 | 1917 |
| i4A,Y | 4797 | 2764 | 1249 | 100 | 1862 |
| i4B | 4901 | 2868 | 1353 | 100 | 1862 |

| 異常警告表示灯(オプション) Alarm light tower (Option) | | |
|--|-----|------|
| 段数 Number of stages | F | G |
| 1 | 144 | 1754 |
| 3 | 226 | 1836 |

| ノズル突出量(H) NOZZLE PROJECTION | |
|--------------------------------|-----|
| 標準(STD) | 30 |
| 12Y 選択仕様(OPTION) | 65 |
| 12A 選択仕様(OPTION) | 100 |
| 2 | 135 |

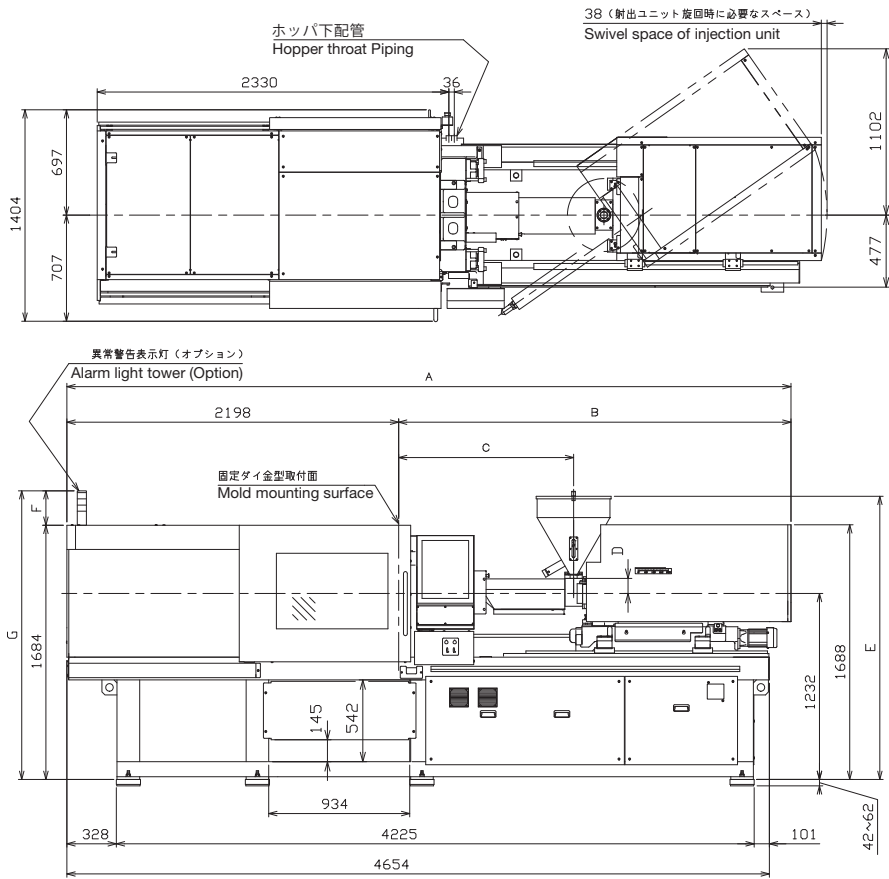
| ロケット穴径(K) LOCATING RING HOLE DIAMETER | |
|--|---------------------|
| 標準(STD) | $\phi 125^{+0.040}$ |
| 選択仕様(OPTION) | $\phi 100^{+0.035}$ |
| 選択仕様(OPTION) | $\phi 120^{+0.040}$ |

| 押出ストローク(L) EJECTOR STROKE | |
|------------------------------|-----|
| 標準(STD) | 90 |
| 選択仕様(OPTION) | 120 |

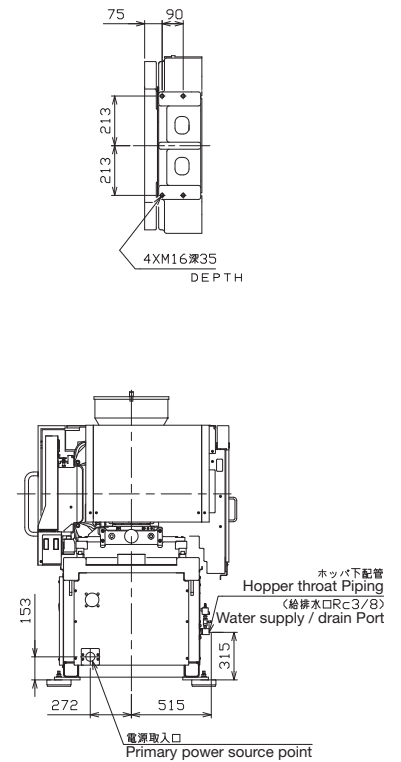
| ノズルヒータ外径(J) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|--|------|
| 12Y | 36.7 |
| 12A 2 | 80 |

EC130SX III

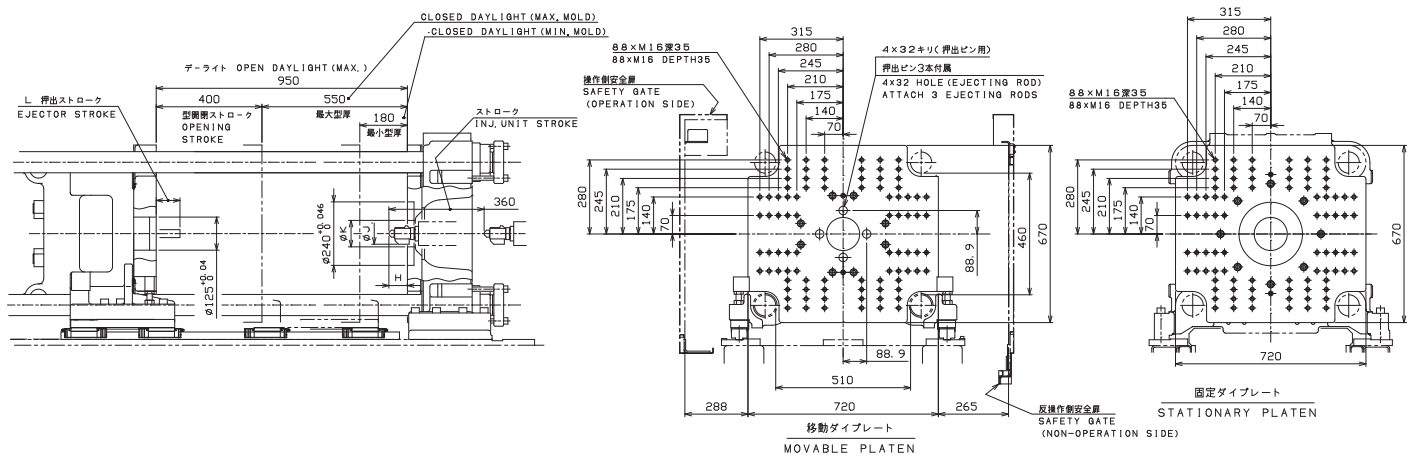
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C | D | E |
|--------------------------|------|------|------|-----|------|
| i4A,Y | 4977 | 2779 | 1264 | 100 | 1909 |
| i4B | 5081 | 2883 | 1368 | 100 | 1909 |

| 異常警告表示灯(オプション) Alarm light tower (Option) | | |
|--|-----|------|
| 段数 Number of stages | F | G |
| 1 | 146 | 1830 |
| 3 | 228 | 1912 |

| ノズル突出量 (H) NOZZLE PROJECTION | |
|---------------------------------|-------------------|
| 13A | 標準 (STD) 65 |
| ? | 選択仕様 (OPTION) 100 |
| | 135 |

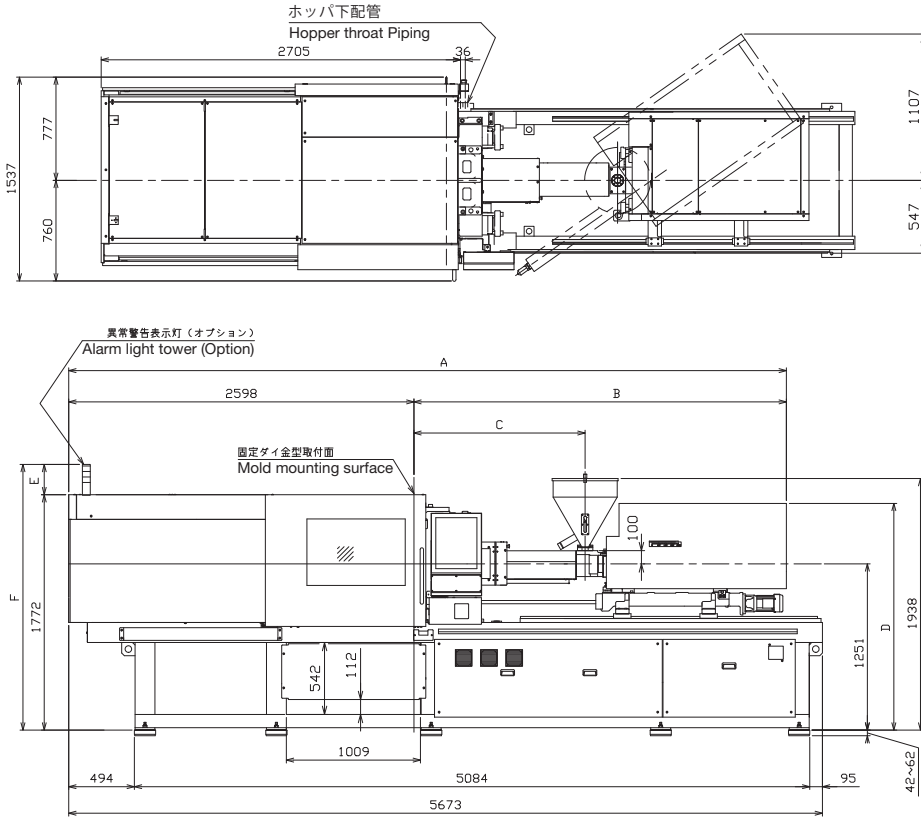
| ノズルヒータ外径 (J) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|---|----|
| 13A | 80 |
| ? | |

| ロケット穴径 (K) LOCATING RING HOLE DIAMETER | |
|---|-------------------------------------|
| 標準 (STD) | φ125 ^{+0.040} ₀ |
| 選択仕様 (OPTION) | φ100 ^{+0.035} ₀ |
| | φ120 ^{+0.040} ₀ |
| | φ160 ^{+0.040} ₀ |

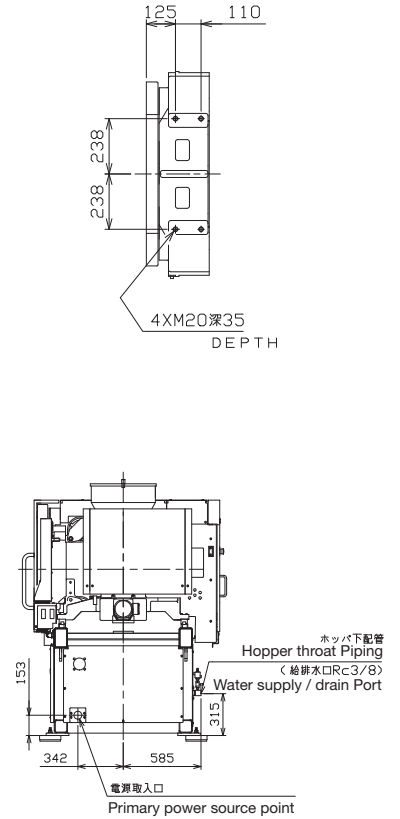
| 射出ストローク (L) EJECTOR STROKE | |
|-------------------------------|-----|
| 標準 (STD) | 90 |
| 選択仕様 (OPTION) | 120 |

EC180SX III

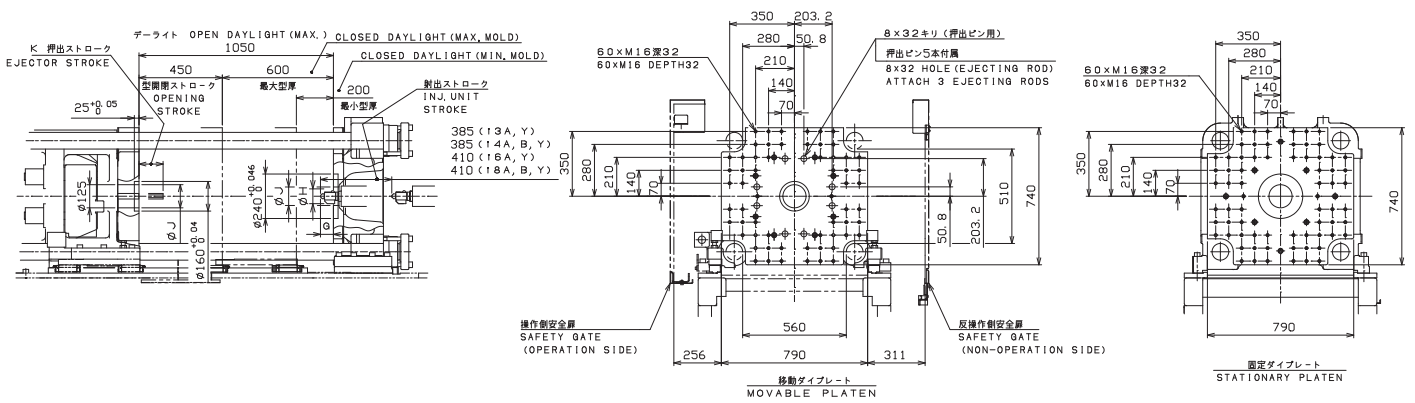
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C | D |
|--------------------------|------|------|------|------|
| i4A,Y | 5402 | 2804 | 1289 | 1707 |
| i4B | 5506 | 2908 | 1393 | 1707 |
| i8A,Y | 5958 | 3360 | 1527 | 1791 |
| i8B | 6062 | 3464 | 1631 | 1791 |

| 異常警告表示灯(オプション) Alarm light tower (Option) | | |
|--|-----|------|
| 段数 Number of stages | E | F |
| 1 | 146 | 1918 |
| 3 | 228 | 2000 |

| ノズル突出量 (G) NOZZLE PROJECTION | |
|---------------------------------|---------------|
| 標準 (STD) | 選択仕様 (OPTION) |
| 65 | 100 |
| | 135 |

| ノズルヒータ外径 (H) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|---|----|
| 13A | 80 |

| ロケート穴径 (J) LOCATING RING HOLE DIAMETER | |
|---|--------------------------------------|
| 標準 (STD) | 選択仕様 (OPTION) |
| φ125 ^{+0.040} ₋₀ | φ100 ^{+0.035} ₋₀ |
| | φ120 ^{+0.040} ₋₀ |
| | φ160 ^{+0.040} ₋₀ |

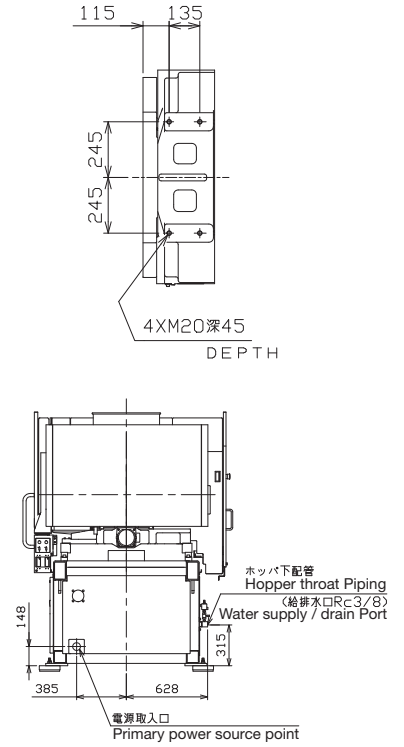
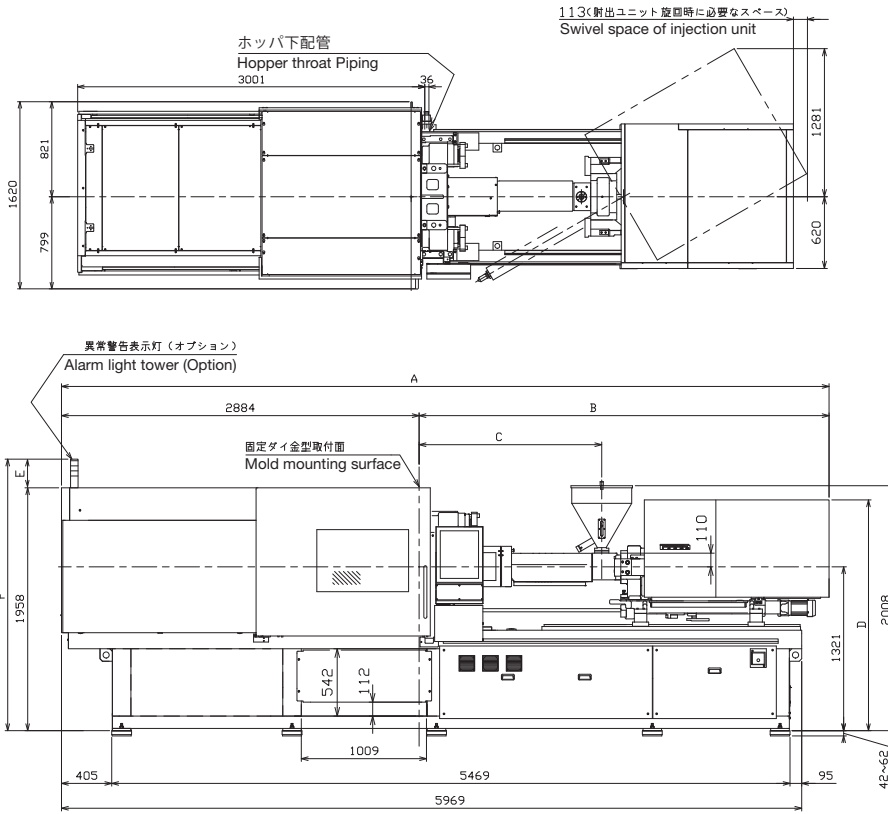
φ160の場合、移動ダイ側はロケートリング無しとなります。
 IN CASE OF φ160 DIAMETER HOLE, MACHINE WILL NOT HAVE LOCATE RING ON MOVABLE SIDE.

| 押出ストローク (K) EJECTOR STROKE | |
|-------------------------------|---------------|
| 標準 (STD) | 選択仕様 (OPTION) |
| 130 | 180 |

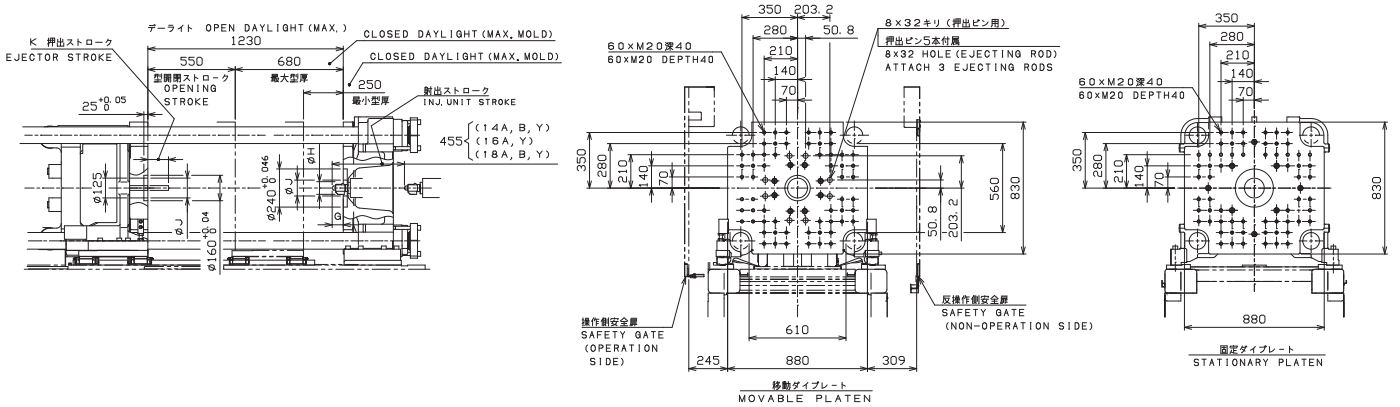
EC230SXIII

◆外形図 General view

◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C | D |
|--------------------------|------|------|------|------|
| i4A,Y | 5723 | 2839 | 1324 | 1777 |
| i4B | 5827 | 2943 | 1428 | 1777 |
| i8A,Y | 6289 | 3405 | 1572 | 1861 |
| i8B | 6393 | 3509 | 1676 | 1861 |

| 異常警告表示灯(オプション) Alarm light tower (Option) | | |
|--|-----|------|
| 段数 Number of stages | E | F |
| 1 | 146 | 2104 |
| 3 | 228 | 2186 |

| ノズル突出量(G) NOZZLE PROJECTION | |
|--------------------------------|------------------|
| 1.4A | 標準(STD) 65 |
| 2 | 選択仕様(OPTION) 100 |
| 2 | 選択仕様(OPTION) 135 |

| ノズルヒータ外径(H) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|--|----|
| 1.4A | 80 |
| 2 | |

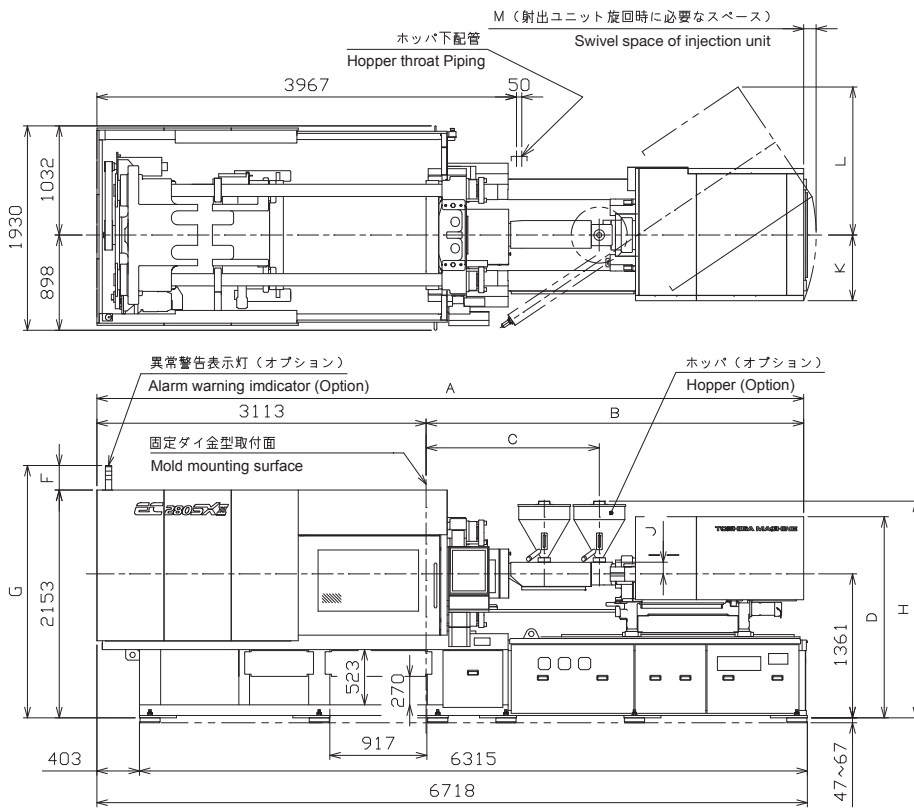
| ロケット穴径(J) LOCATING RING HOLE DIAMETER | |
|--|------------------------|
| 標準(STD) | φ125 ^{+0.040} |
| 選択仕様(OPTION) | φ100 ^{+0.035} |
| | φ120 ^{+0.040} |
| | φ160 ^{+0.040} |

φ160の場合、移動ダイ側はロケットリング無しとなります。
IN CASE OF φ160 DIAMETER HOLE, MACHINE WILL NOT HAVE LOCATE RING ON MOVABLE SIDE.

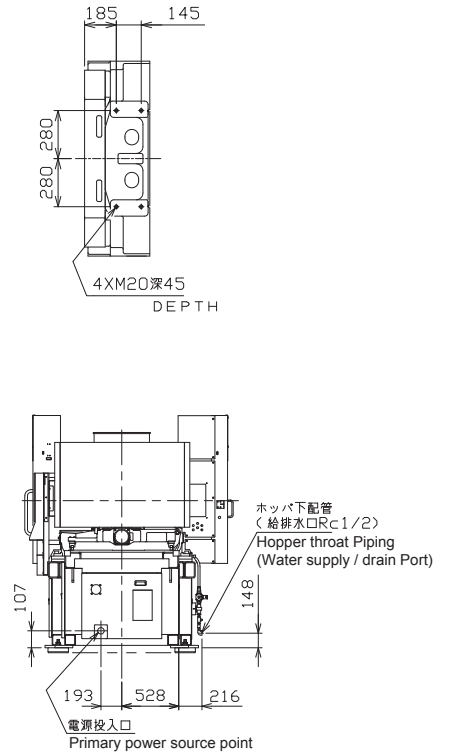
| 射出ストローク(K) EJECTOR STROKE | |
|------------------------------|-----|
| 標準(STD) | 130 |
| 選択仕様(OPTION) | 180 |

EC280SXIII

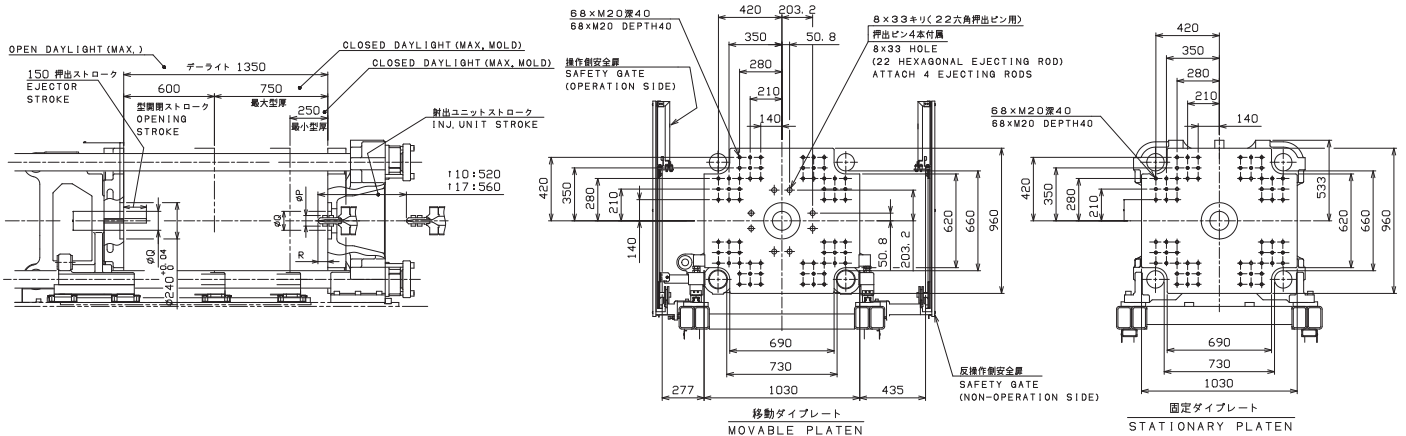
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C | D | E | H | J | K | L |
|--------------------------|------|------|------|------|------|------|-----|-----|------|
| i10A,Y | 6683 | 3570 | 1637 | | | | | | |
| i10B | 6787 | 3674 | 1741 | 1901 | 1250 | 2048 | 110 | 620 | 1400 |
| i17Y | 6720 | 3607 | 1926 | | | | | | |
| i17AT,B,BH | 6925 | 3812 | 2131 | 2103 | 1657 | 2103 | 165 | 692 | 1441 |

| 異常警告表示灯 (オプション) Alarm light tower (Option) | | |
|---|-----|------|
| 段数 Number of stages | F | G |
| 1 | 151 | 2304 |
| 3 | 233 | 2386 |

| ノズル突出量 (R) NOZZLE PROJECTION | |
|---------------------------------|-----|
| 標準 (STD) | 65 |
| 110 | 100 |
| 117 | 135 |

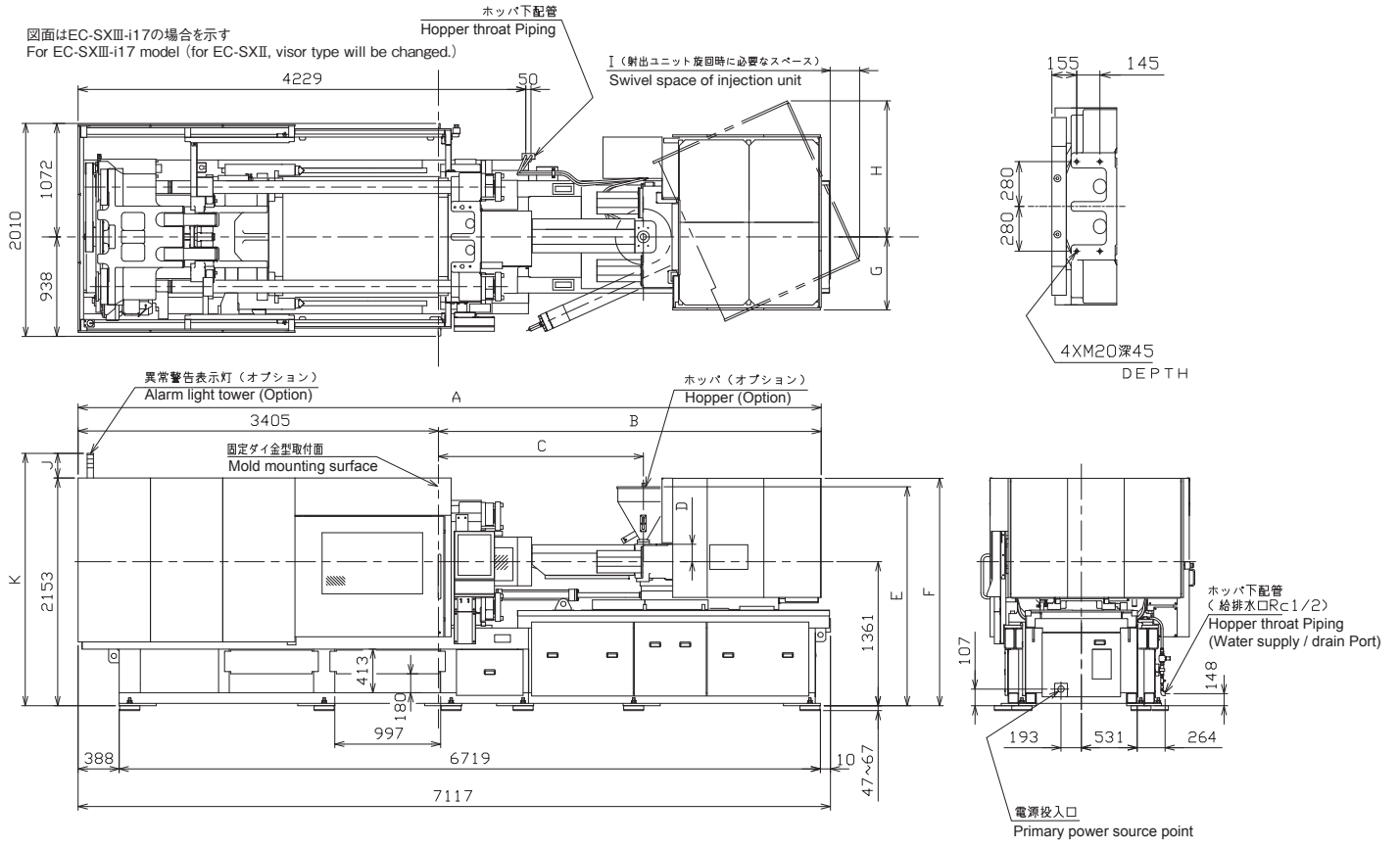
| ノズルヒータ外径 (P) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|---|----|
| 標準 (STD) | 80 |
| 110 | 80 |
| 117 | 80 |

| ロケット穴径 (Q) LOCATING RING HOLE DIAMETER | |
|---|-------------------------------------|
| 標準 (STD) | φ125 ^{+0.040} ₀ |
| 110 | φ125 ^{+0.040} ₀ |
| 117 | φ160 ^{+0.040} ₀ |

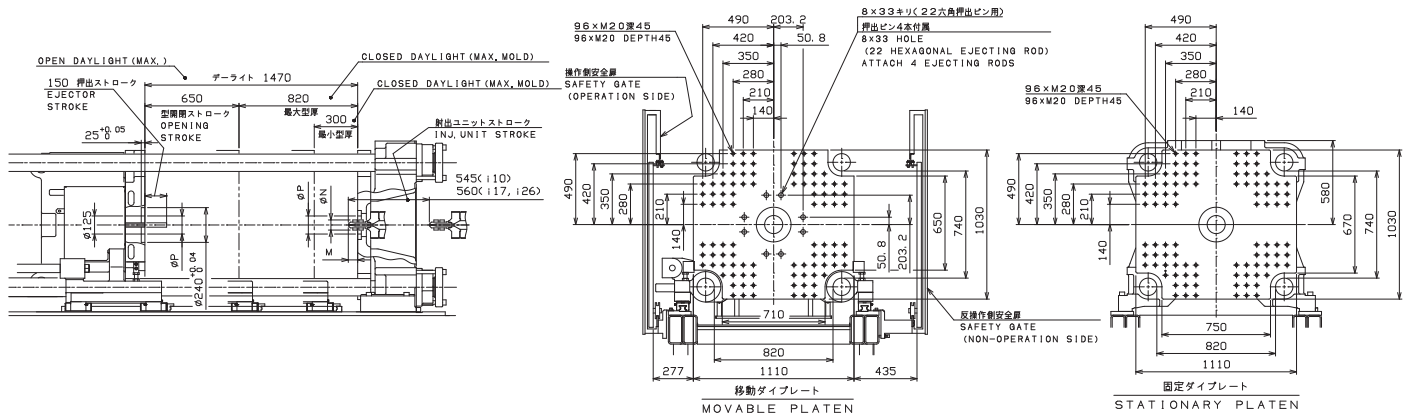
EC350SXIII

◆外形図 General view

◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C | D | E | F | G | H | I |
|--------------------------|------|------|------|-----|------|------|-----|------|-----|
| i10A,Y | 7000 | 3595 | 1662 | 110 | 2048 | 1901 | 620 | 1400 | 78 |
| i10B | 7104 | 3699 | 1766 | | | | | | |
| i17Y | 7022 | 3617 | 1936 | 165 | 2013 | 2150 | 692 | 1441 | 276 |
| i17AT,B,BH | 7227 | 3822 | 2141 | | | | | | 483 |
| i26AT,B | 7685 | 4172 | 2335 | 210 | 2530 | 2149 | 696 | 1383 | 582 |

| 異常警告表示灯 (オプション) Alarm light tower (Option) | | |
|---|-----|------|
| 段数 Number of stages | J | K |
| 1 | 150 | 2303 |
| 3 | 232 | 2385 |

| ノズル突出量 (M) NOZZLE PROJECTION | |
|---------------------------------|-----|
| 110 標準 (STD) | 65 |
| 117 選択仕様 | 100 |
| 126 (OPTION) | 135 |

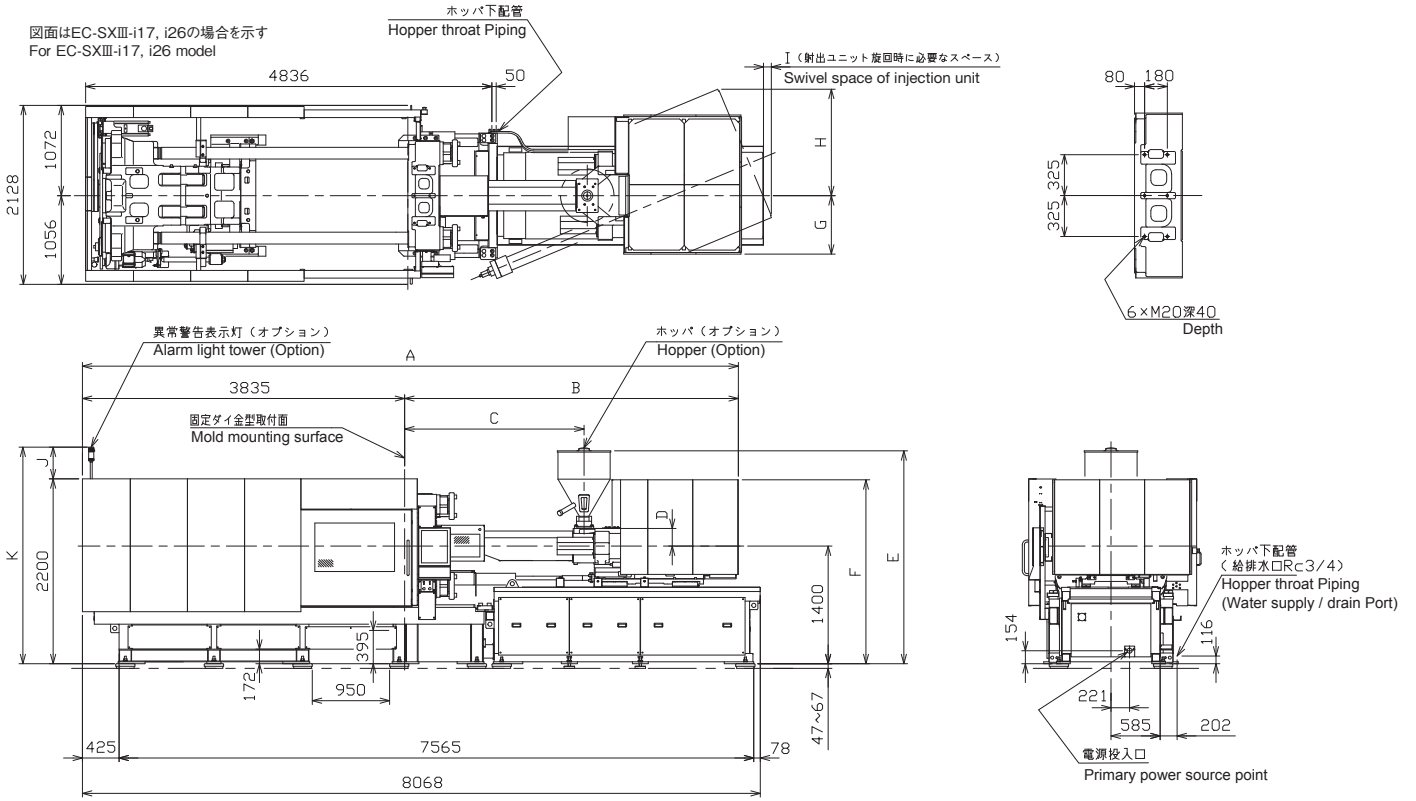
| ノズルヒーター外径 (N) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|--|----|
| 110 | 80 |
| 117 | 80 |
| 126 | 85 |

| ロケット穴径 (P) LOCATING RING HOLE DIAMETER | |
|---|------------------------|
| 標準 (STD) | φ125 ^{+0.040} |
| 選択仕様 (OPTION) | φ160 ^{+0.040} |

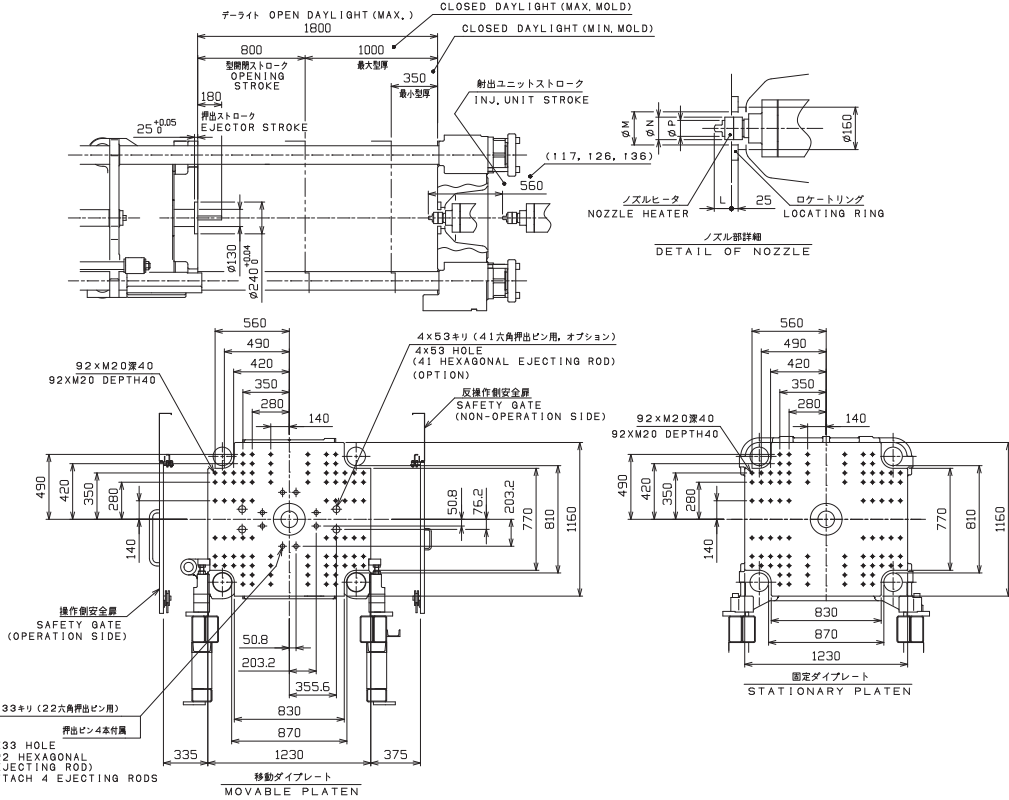
EC450SXIII

◆外形図 General view

◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C | D | E | F | G | H | I |
|--------------------------|------|------|------|-----|------|------|------|------|-----|
| i17Y | 7482 | 3647 | 1966 | 165 | 2188 | 2109 | 692 | 1441 | 69 |
| i17AT,B,BH | 7687 | 3852 | 2171 | | 2188 | 696 | 1269 | 94 | 295 |
| i26AT,B | 8007 | 4172 | 2335 | 210 | 2534 | 2322 | 806 | 1474 | 375 |
| i36AT,B | 8522 | 4687 | 2540 | | | | | | |

| 異常警告表示灯(オプション) Alarm light tower (Option) | | |
|--|-----|------|
| 段数 Number of stages | J | K |
| 1 | 378 | 2578 |
| 2 | 419 | 2619 |
| 3 | 460 | 2660 |

| ノズル突出量(L) NOZZLE PROJECTION | |
|--------------------------------|------------|
| 標準(STD) | 65 |
| 選択仕様(OPTION) | 100 135 |

| ノズルヒータ外径(N) OUTSIDE DIAMETER OF NOZZLE HEATER | |
|--|-----|
| i17 | φ80 |
| i26, i36 | φ85 |

| ロケート穴径(M) LOCATING RING HOLE DIAMETER | |
|--|---|
| 標準(STD) | φ125 ^{0.040} |
| 選択仕様(OPTION) | φ150 ^{0.040} φ160 ^{0.046} φ200 ⁰ |

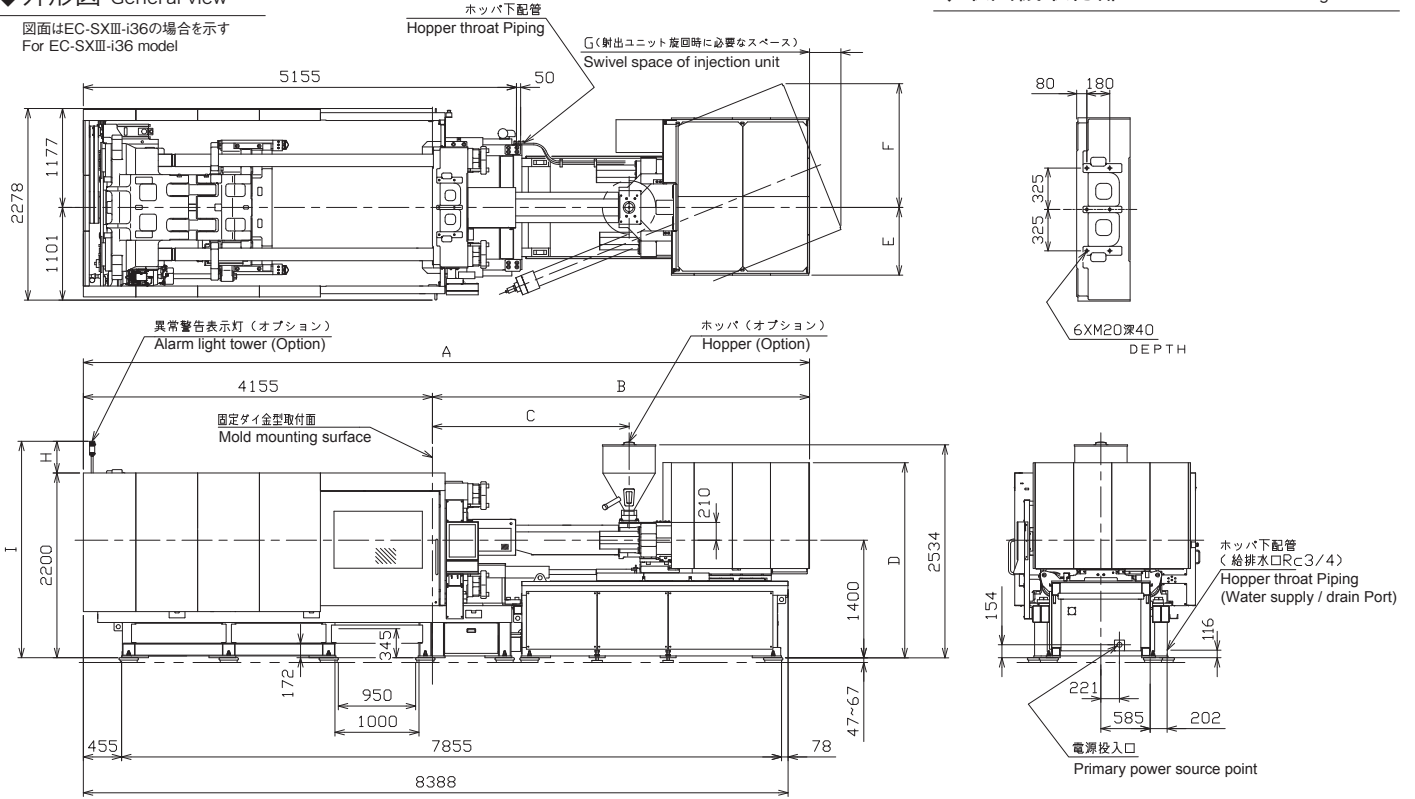
| ノズル外径(P) OUTSIDE DIAMETER OF NOZZLE | |
|--|-----|
| i17 | φ40 |
| i26, i36 | φ60 |

EC550SX III

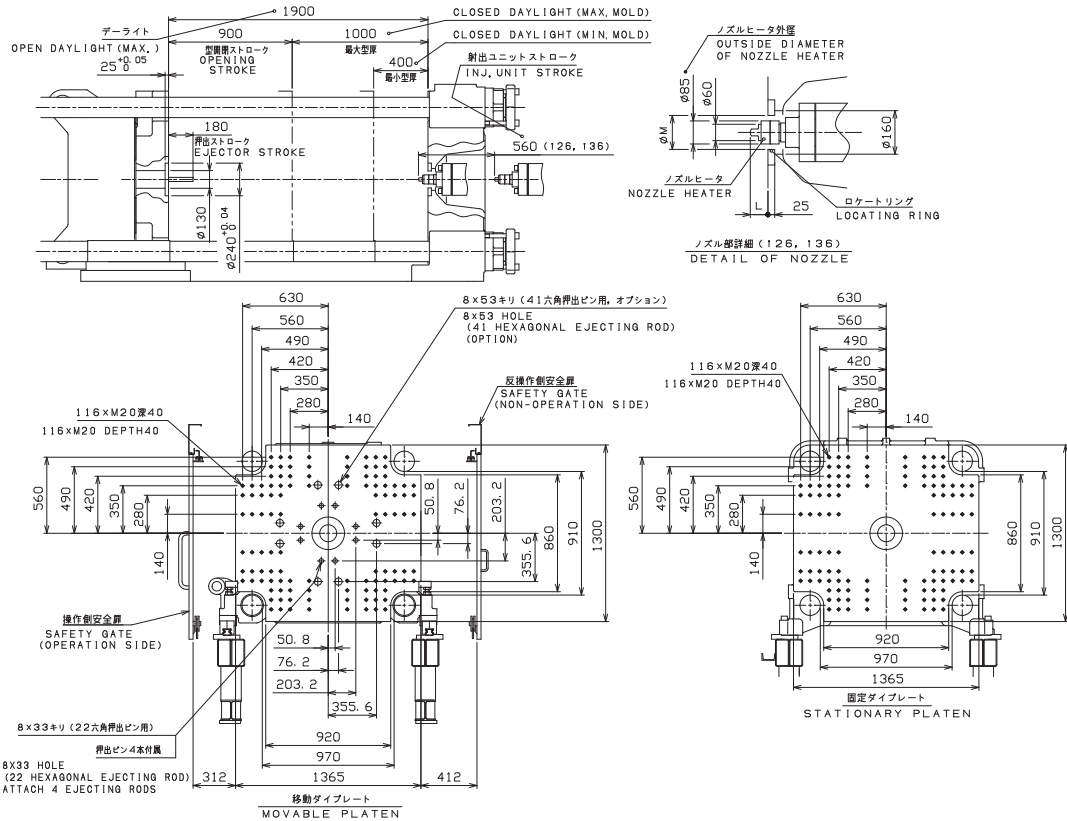
◆外形図 General view

◆取出機取付部 Take-out robot mounting surface

図面はEC-SXIII-136の場合を示す
For EC-SXIII-136 model



◆金型取付関係図 Mold mounting space



| 射出ユニット Injection Unit | A | B | C | D | E | F | G |
|--------------------------|------|------|------|------|-----|------|-----|
| i17Y | 7482 | 3647 | 1966 | 2188 | 692 | 1441 | 69 |
| i17AT,B,BH | 7687 | 3852 | 2171 | | | | |
| i26AT,B | 8327 | 4172 | 2335 | 2188 | 696 | 1269 | 93 |
| | | | | | | | 295 |
| i36AT,B | 8842 | 4687 | 2540 | 2322 | 806 | 1474 | 375 |
| | | | | | | | 575 |

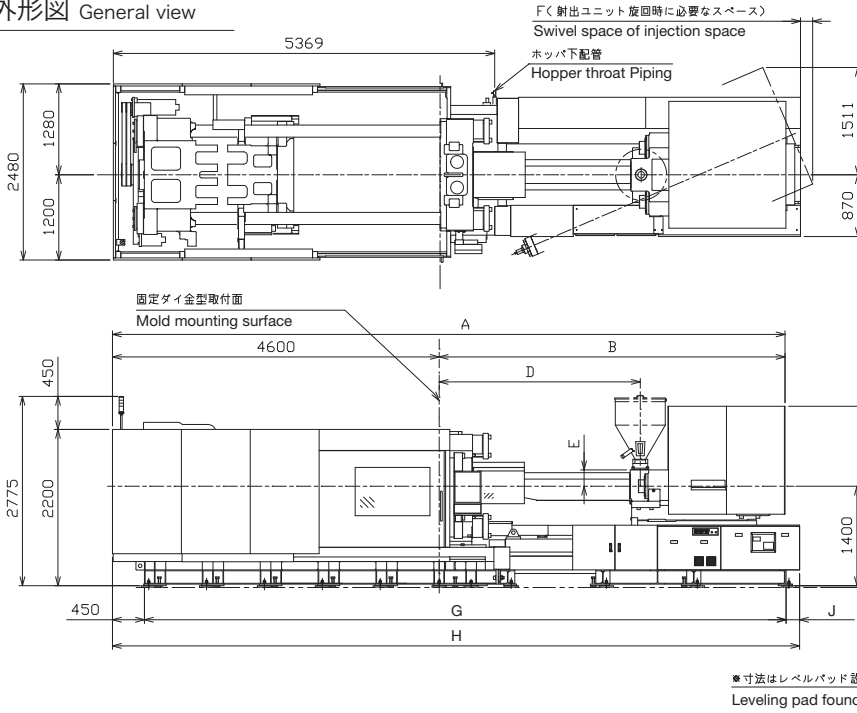
| 異常警告表示灯 (オプション) Alarm light tower (Option) | | |
|---|-----|------|
| 段数 Number of stages | H | I |
| 1 | 378 | 2578 |
| 2 | 419 | 2619 |
| 3 | 460 | 2660 |

| ノズル突出量 (L) NOZZLE PROJECTION | | |
|---------------------------------|---------------|-----|
| 126 | 標準 (STD) | 65 |
| 136 | 選択仕様 (OPTION) | 100 |
| | | 135 |

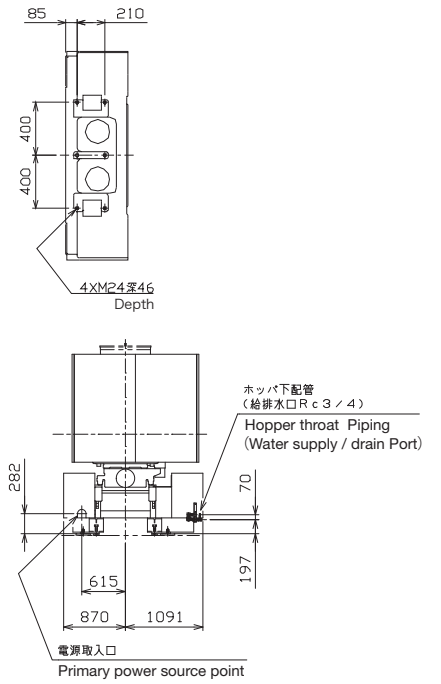
| ロケート穴径 (φM) LOCATING RING HOLE DIAMETER | | |
|--|-----------------------|--|
| 標準 (STD) | φ125 ^{0.040} | |
| 選択仕様 (OPTION) | φ160 ^{0.040} | |
| | φ200 ^{0.046} | |

EC650SX III

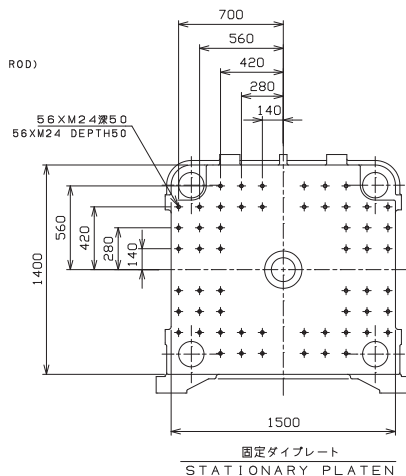
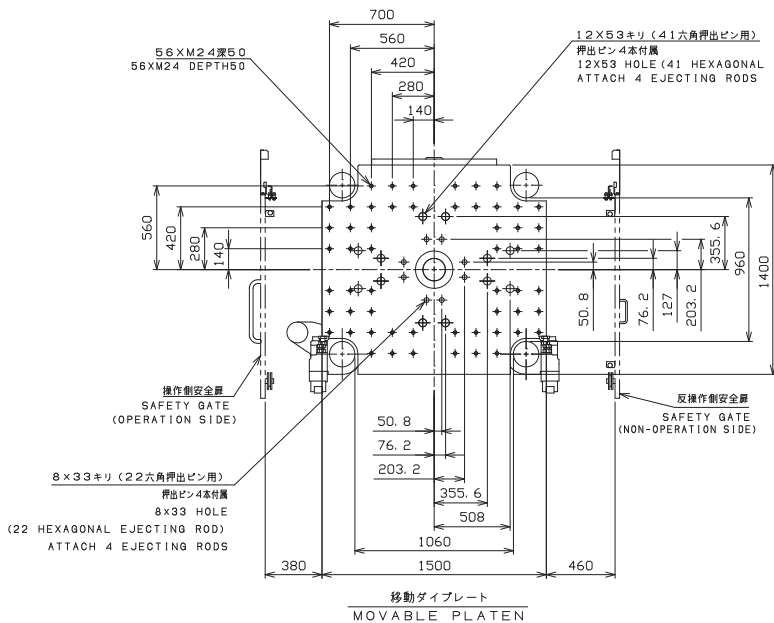
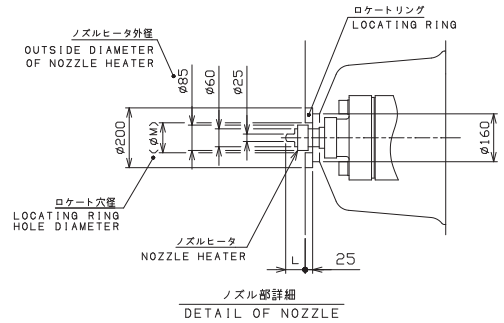
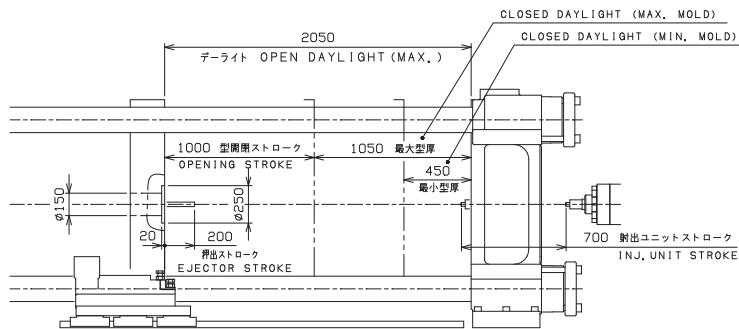
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



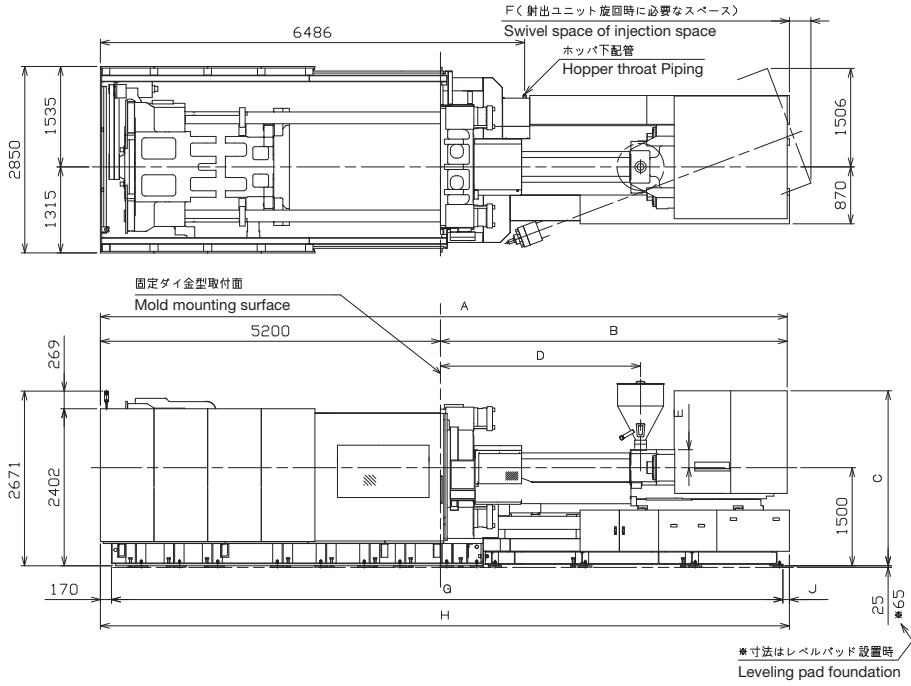
| 射出ユニット Injection Unit | A | B | C | D | E | F | G | H | J |
|--------------------------|-------|------|------|-----------|-----|-----|------|-------|-----|
| i61A | 9470 | 4870 | 2551 | 2132-2832 | 230 | 172 | 9035 | 10075 | 590 |
| i61B | 9670 | 5070 | 2551 | 2332-3032 | 230 | 372 | 9035 | 10075 | 590 |
| i78A | 9902 | 5302 | 2601 | 2359-3059 | 275 | 589 | 9335 | 10375 | 590 |
| i78B | 10202 | 5602 | 2601 | 2659-3359 | 275 | 589 | 9335 | 10375 | 590 |

| ノズル突出量 (L) NOZZLE PROJECTION | |
|---------------------------------|-----|
| 標準 (STD) | 65 |
| 選択仕様 (OPTION) | 100 |
| | 135 |

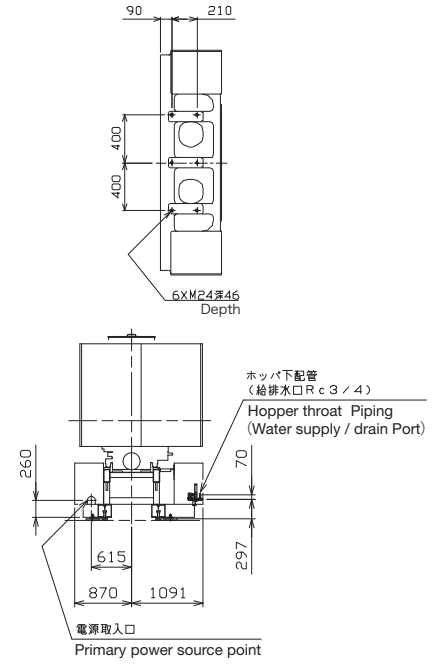
| ロケット穴径 (M) LOCATING RING HOLE DIAMETER | |
|--|---------------------|
| 標準 (STD) | $\phi 100^{+0.035}$ |
| 選択仕様 (OPTION) | $\phi 110^{+0.035}$ |
| | $\phi 120^{+0.035}$ |
| | $\phi 130^{+0.034}$ |
| | $\phi 150^{+0.034}$ |

EC850SX III

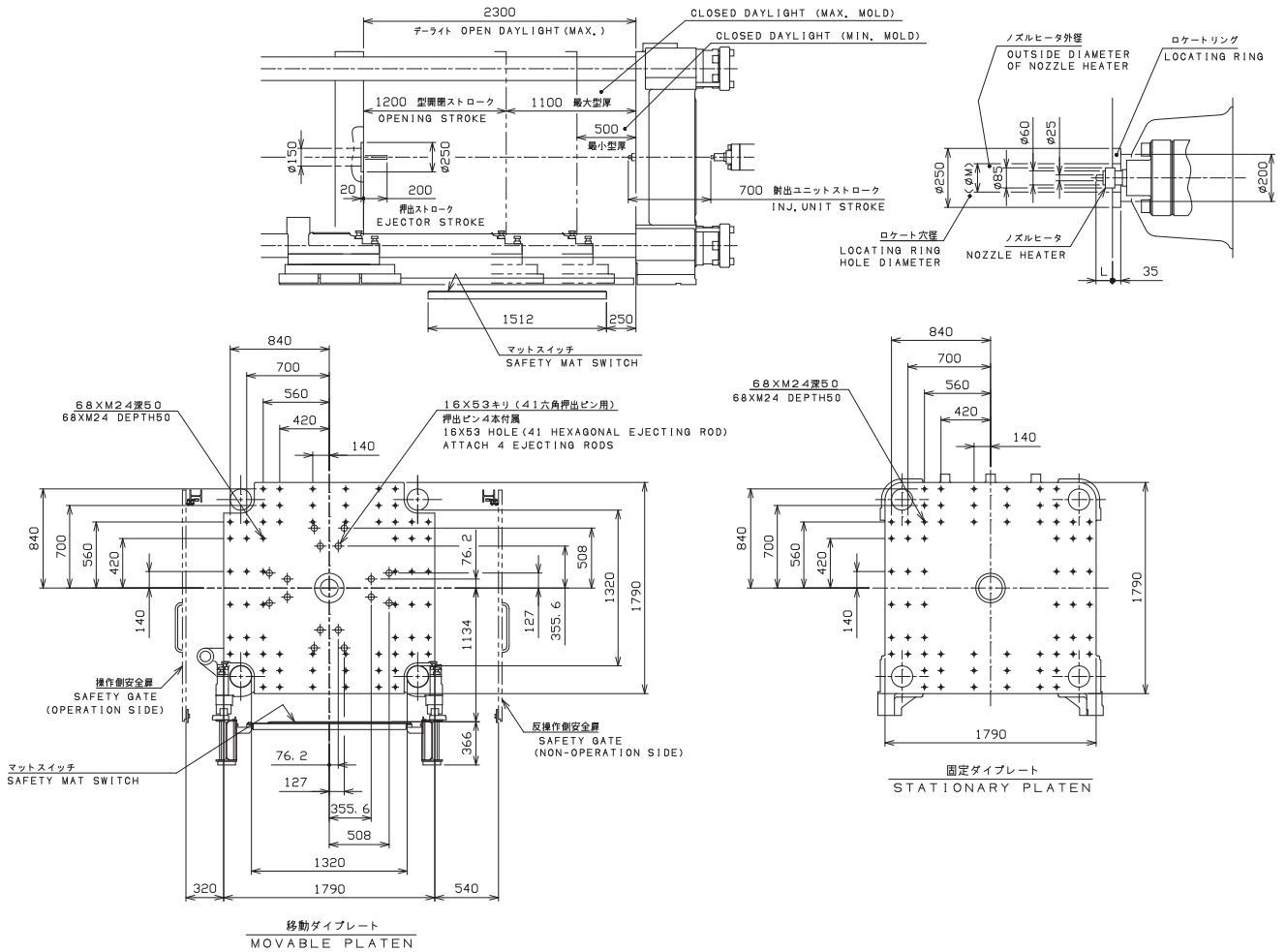
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space

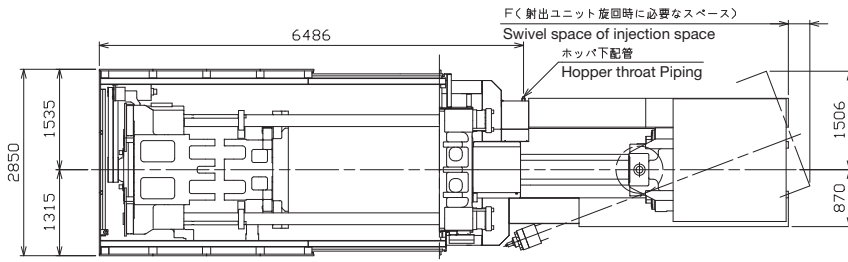


| 射出ユニット Injection Unit | A | B | C | D | E | F | G | H | J |
|--------------------------|-------|------|------|-----------|-----|-----|-------|-------|-----|
| i61A | 10070 | 4870 | 2626 | 2132-2832 | 230 | -88 | 10265 | 10935 | 500 |
| i61B | 10270 | 5070 | 2626 | 2332-3032 | 230 | 112 | 10265 | 10935 | 500 |
| i78A | 10502 | 5302 | 2676 | 2359-3059 | 275 | 329 | 10265 | 10935 | 500 |
| i78B | 10802 | 5602 | 2676 | 2659-3359 | 275 | 629 | 10265 | 10935 | 500 |

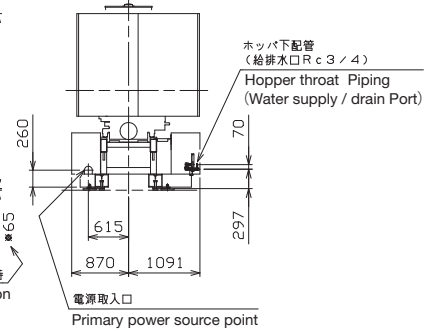
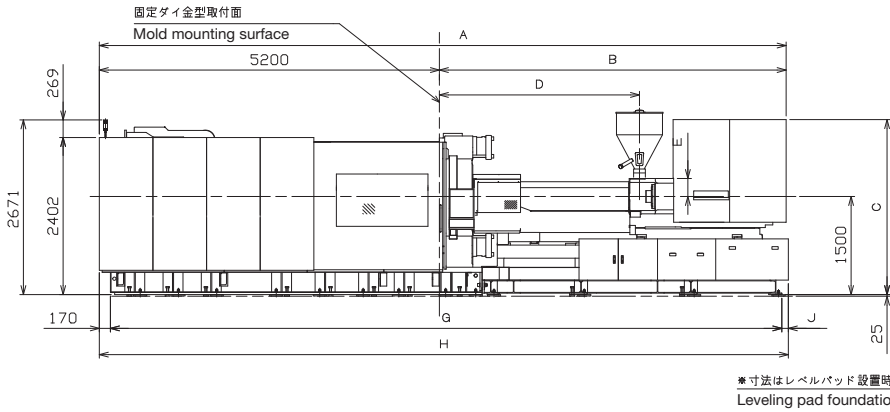
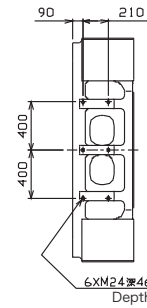
| ノズル突出量 (L) NOZZLE PROJECTION | | ロケート穴径 (M) LOCATING RING HOLE DIAMETER | |
|---------------------------------|-----|--|-----------------------|
| 標準 (STD) | 65 | 標準 (STD) | φ120 ^{±0.05} |
| 選択仕様 (OPTION) | 100 | 選択仕様 (OPTION) | φ150 ^{±0.05} |
| | 135 | | |
| | 170 | | |

EC1000SX III

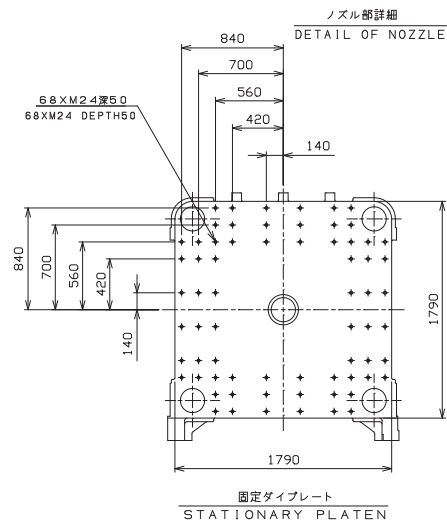
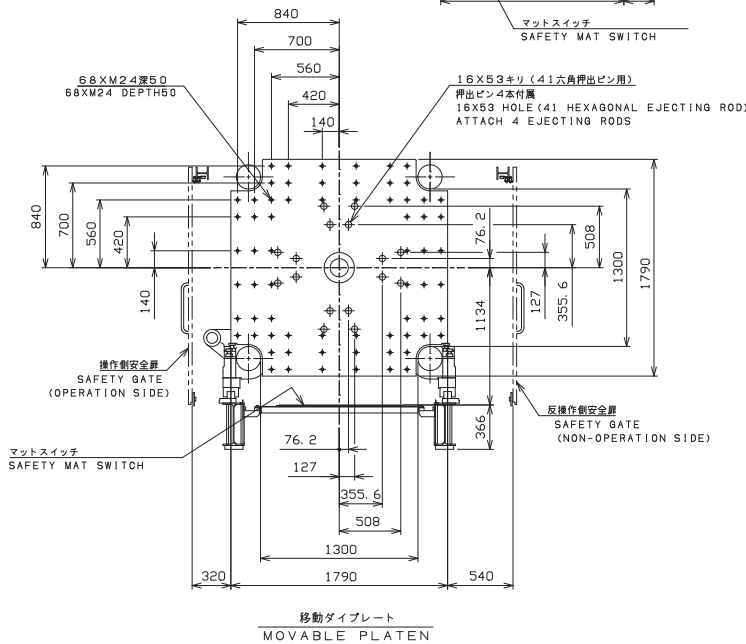
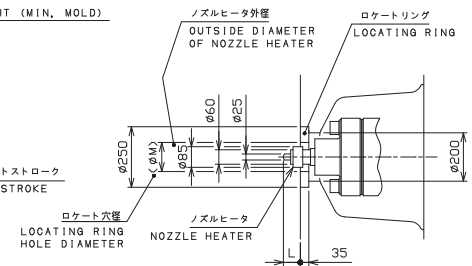
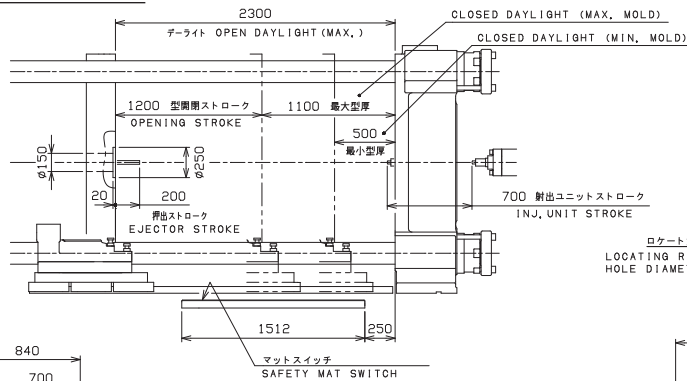
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



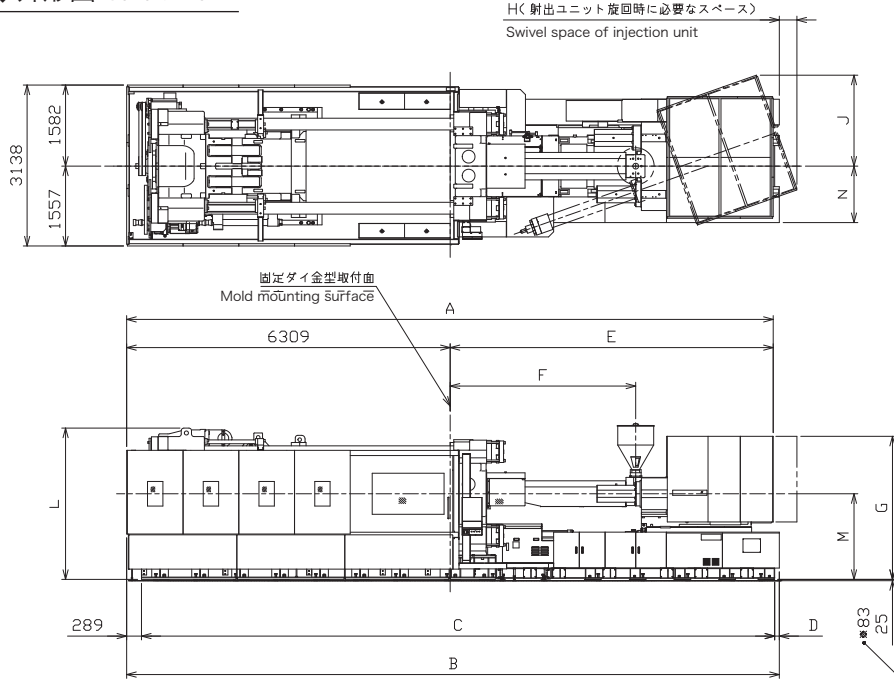
| 射出ユニット Injection Unit | A | B | C | D | E | F | G | H | J |
|--------------------------|-------|------|------|-----------|-----|-----|-------|-------|-----|
| i61A | 10070 | 4870 | 2626 | 2132-2832 | 230 | -88 | 10265 | 10935 | 500 |
| i61B | 10270 | 5070 | 2626 | 2332-3032 | 230 | 112 | 10265 | 10935 | 500 |
| i78A | 10502 | 5302 | 2676 | 2359-3059 | 275 | 329 | 10265 | 10935 | 500 |
| i78B | 10802 | 5602 | 2676 | 2659-3359 | 275 | 629 | 10265 | 10935 | 500 |

| ノズル突出量 (L) NOZZLE PROJECTION | |
|---------------------------------|-----|
| 標準 (STD) | 65 |
| 選択仕様 (OPTION) | 100 |
| | 135 |
| | 170 |

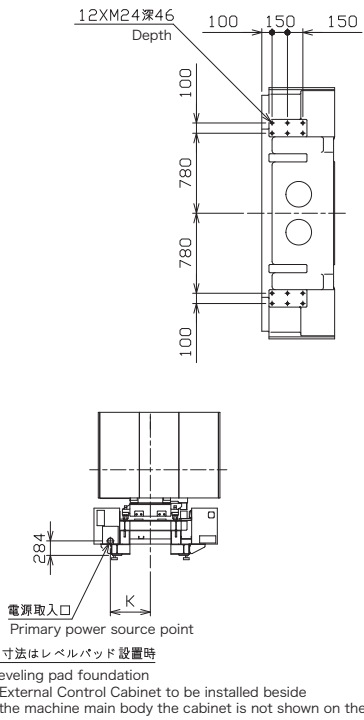
| ロケート穴径 (M) LOCATING RING HOLE DIAMETER | |
|---|------------------------|
| 標準 (STD) | φ120 ^{±0.015} |
| 選択仕様 (OPTION) | φ150 ^{±0.015} |

EC1300SX III

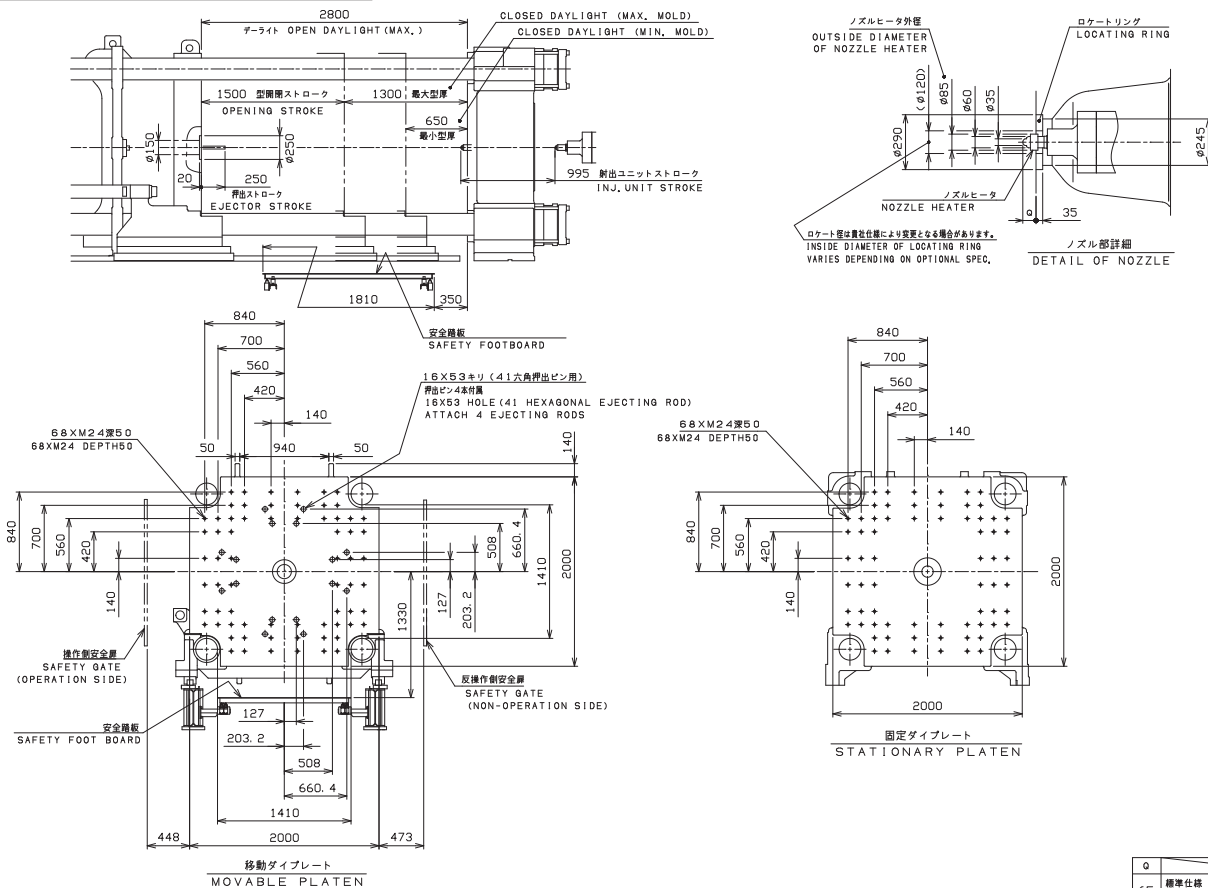
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



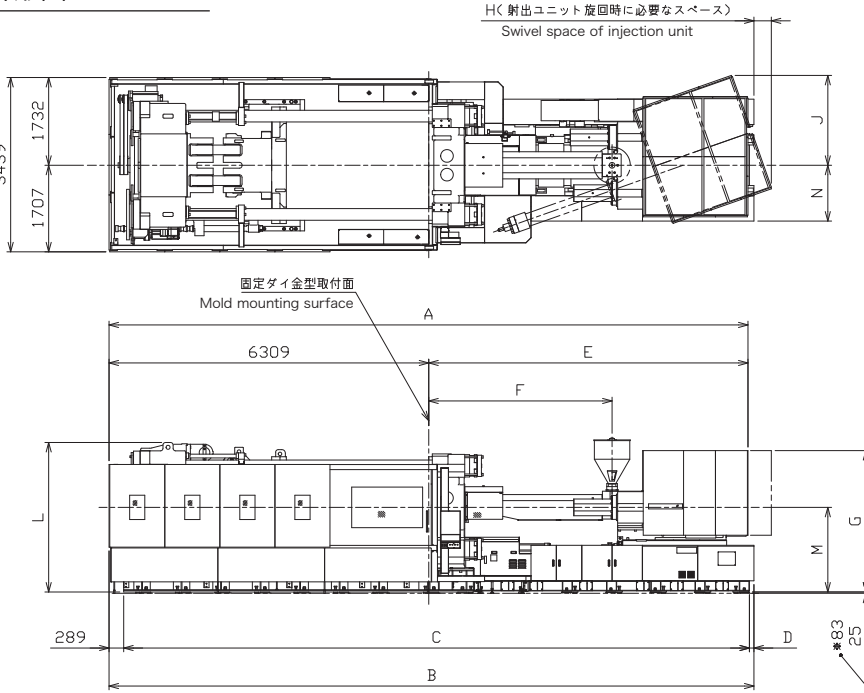
| | |
|-----|-----------------------------|
| 0 | 標準仕様 (STANDARD SPEC.) |
| 65 | 標準仕様 (STANDARD SPEC.) |
| 100 | オプション仕様 (OPTIONAL SPEC.) |
| 135 | オプション仕様 (OPTIONAL SPEC.) |
| 170 | オプション仕様 (OPTIONAL SPEC.) |

ノズル突出量
NOZZLE PROJECTION

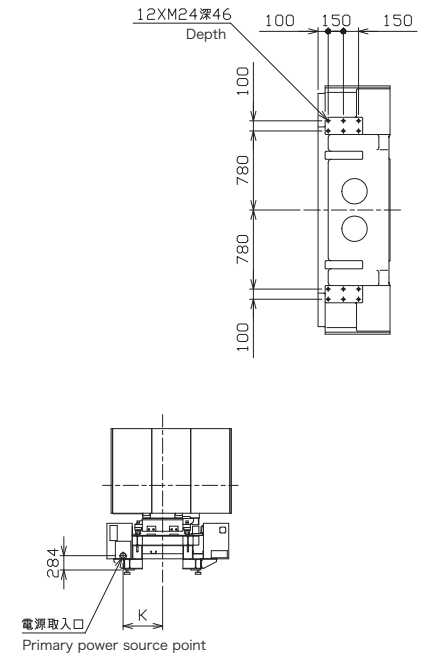
| 射出ユニット Injection Unit | A | B | C | D | E | F | G | H | J | K | L | M | N |
|--------------------------|-------|-------|-------|-----|------|-----------|------|-----|------|------|------|------|------|
| i120A | 12609 | 12727 | 12348 | 90 | 6300 | 2623~3618 | 2790 | 343 | 1774 | 780 | 3080 | 1670 | 1100 |
| i120B | 12809 | 12727 | 12348 | 90 | 6500 | 2823~3818 | 2790 | 543 | 1774 | 780 | 3080 | 1670 | 1100 |
| i155A | 13039 | 13067 | 12538 | 240 | 6730 | 2823~3898 | 3090 | 477 | 2083 | 1040 | 3325 | 1915 | 1360 |
| i155B | 13381 | 13067 | 12538 | 240 | 7072 | 3165~4240 | 3090 | 819 | 2083 | 1040 | 3325 | 1915 | 1360 |

EC1300SXIIIW

◆外形図 General view

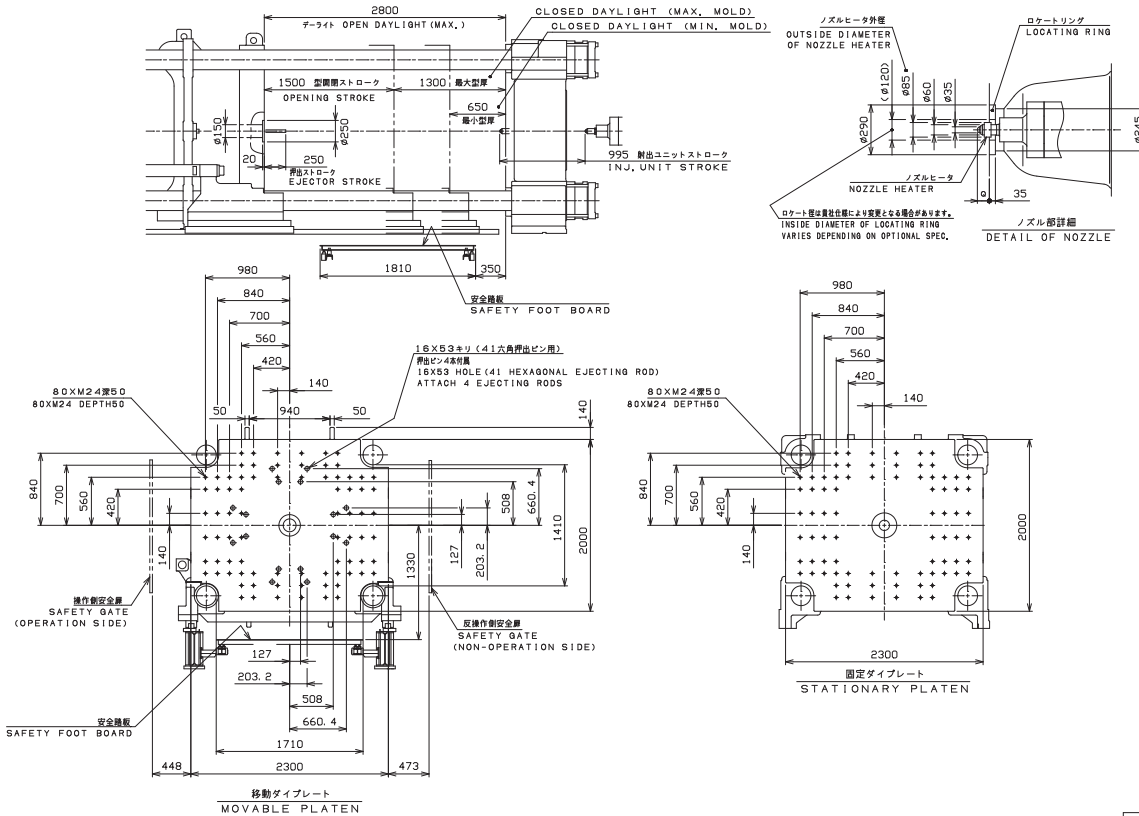


◆取出機取付部 Take-out robot mounting surface



*寸法はレベルパッド設置時
Leveling pad foundation
**External Control Cabinet to be installed beside the machine main body the cabinet is not shown on the drawing

◆金型取付関係図 Mold mounting space



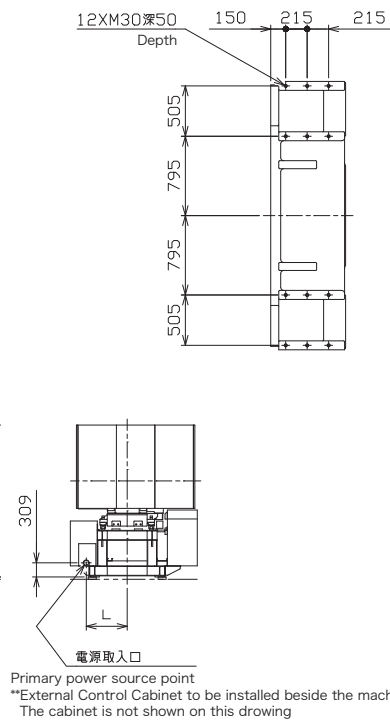
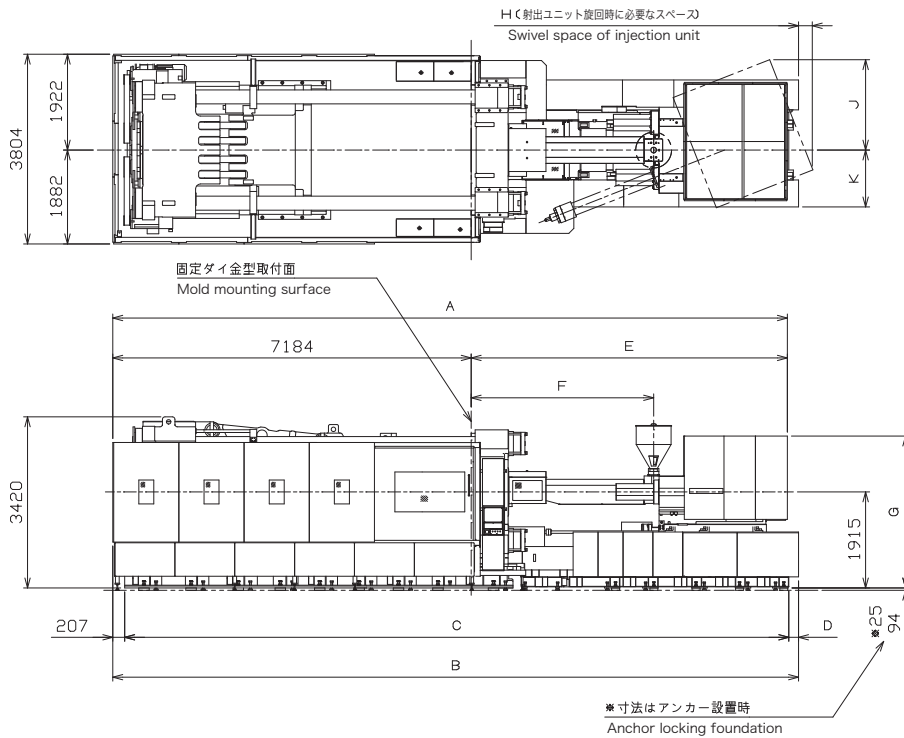
| | |
|-----------------------------|--------------------------|
| 0 | |
| 65 | 標準仕様 (STANDARD SPEC.) |
| 100 | オプション仕様 (OPTIONAL SPEC.) |
| 135 | |
| 170 | |
| ノズル突出量 NOZZLE PROJECTION | |

| 射出ユニット Injection Unit | A | B | C | D | E | F | G | H | J | K | L | M | N |
|--------------------------|-------|-------|-------|-----|------|-----------|------|-----|------|------|------|------|------|
| i120A | 12609 | 12727 | 12348 | 90 | 6300 | 2623~3618 | 2790 | 343 | 1774 | 780 | 2950 | 1670 | 1100 |
| i120B | 12809 | 12727 | 12348 | 90 | 6500 | 2823~3818 | 2790 | 543 | 1774 | 780 | 2950 | 1670 | 1100 |
| i155A | 13039 | 13067 | 12538 | 240 | 6730 | 2823~3898 | 3090 | 477 | 2083 | 1040 | 3195 | 1915 | 1360 |
| i155B | 13381 | 13067 | 12538 | 240 | 7072 | 3165~4240 | 3090 | 819 | 2083 | 1040 | 3195 | 1915 | 1360 |

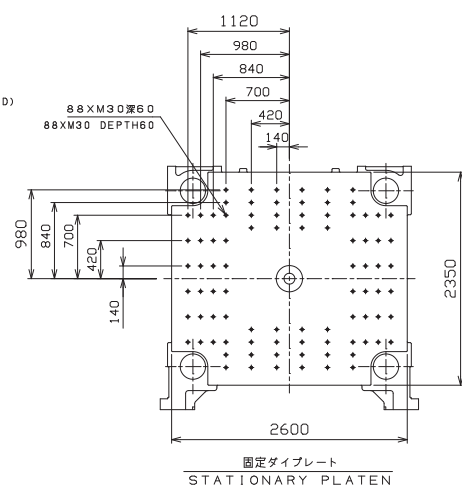
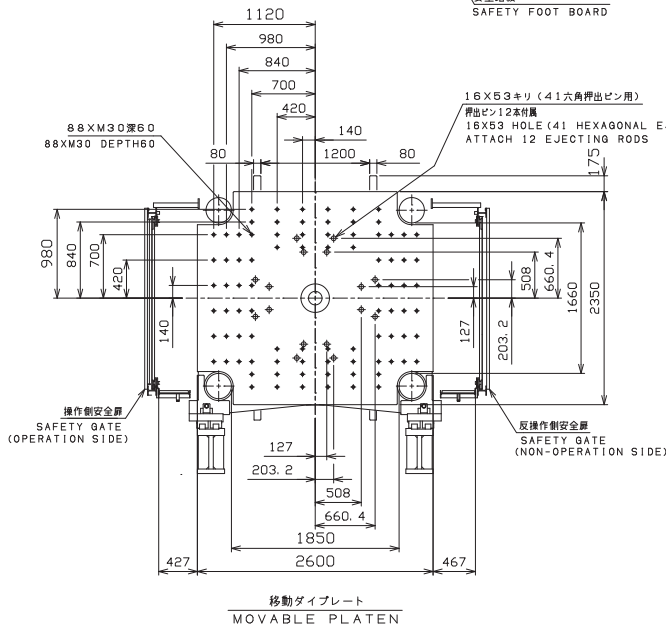
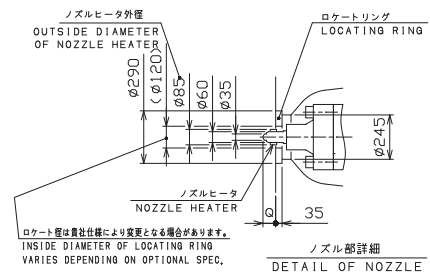
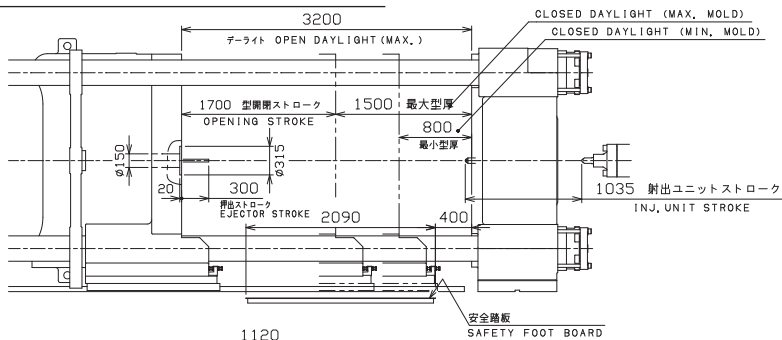
EC1800SX, EC1600SXW

◆外形図 General view

◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



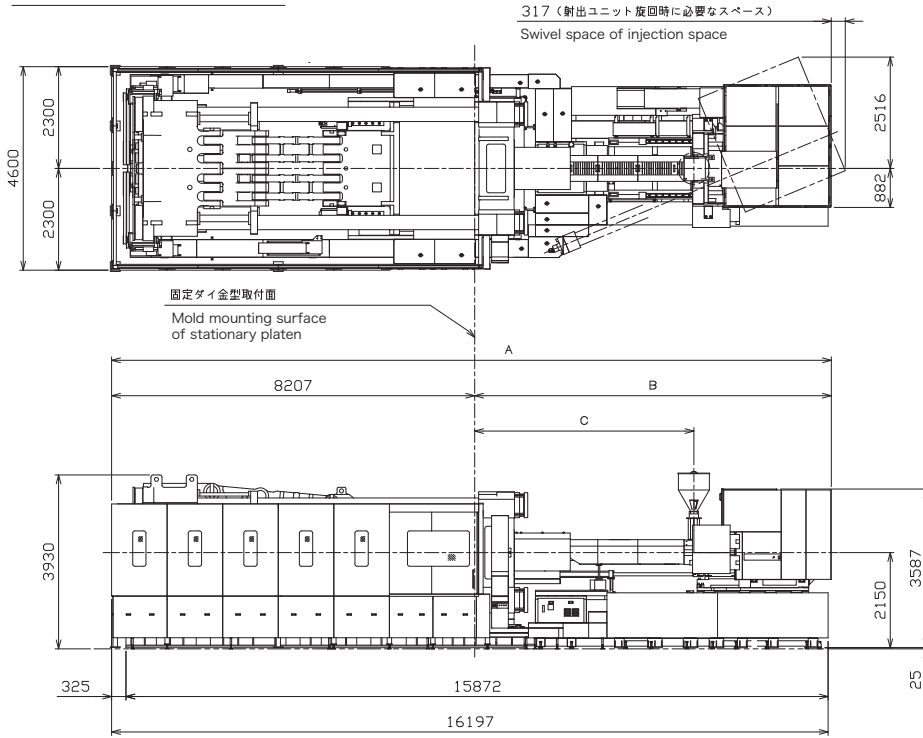
| 射出ユニット Injection Unit | A | B | C | D | E | F | G | H | J | K | L |
|--------------------------|-------|-------|-------|-----|------|-----------|------|-----|------|------|------|
| i120A | 13524 | 13747 | 13313 | 195 | 6340 | 2623-3658 | 3045 | 275 | 1774 | 1140 | 820 |
| i120B | 13724 | 13747 | 13313 | 195 | 6540 | 2823-3858 | 3045 | 475 | 1774 | 1140 | 820 |
| i155A | 13914 | 13942 | 13463 | 240 | 6730 | 2823-3898 | 3090 | 537 | 2097 | 1360 | 1040 |
| i155B | 14256 | 13942 | 13463 | 240 | 7072 | 3165-4240 | 3090 | 875 | 2097 | 1360 | 1040 |

| φ | 標準仕様 (STANDARD SPEC.) |
|-----|-----------------------------|
| 65 | 標準仕様 (STANDARD SPEC.) |
| 100 | オプション仕様 (OPTIONAL SPEC.) |
| 135 | オプション仕様 (OPTIONAL SPEC.) |
| 170 | オプション仕様 (OPTIONAL SPEC.) |

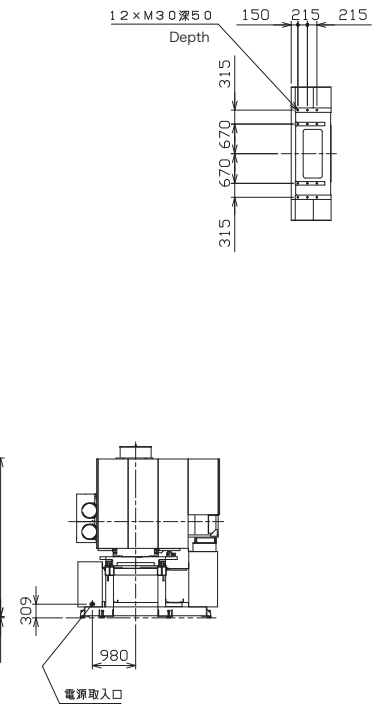
ノズル突出量
NOZZLE PROJECTION

EC2500SX III

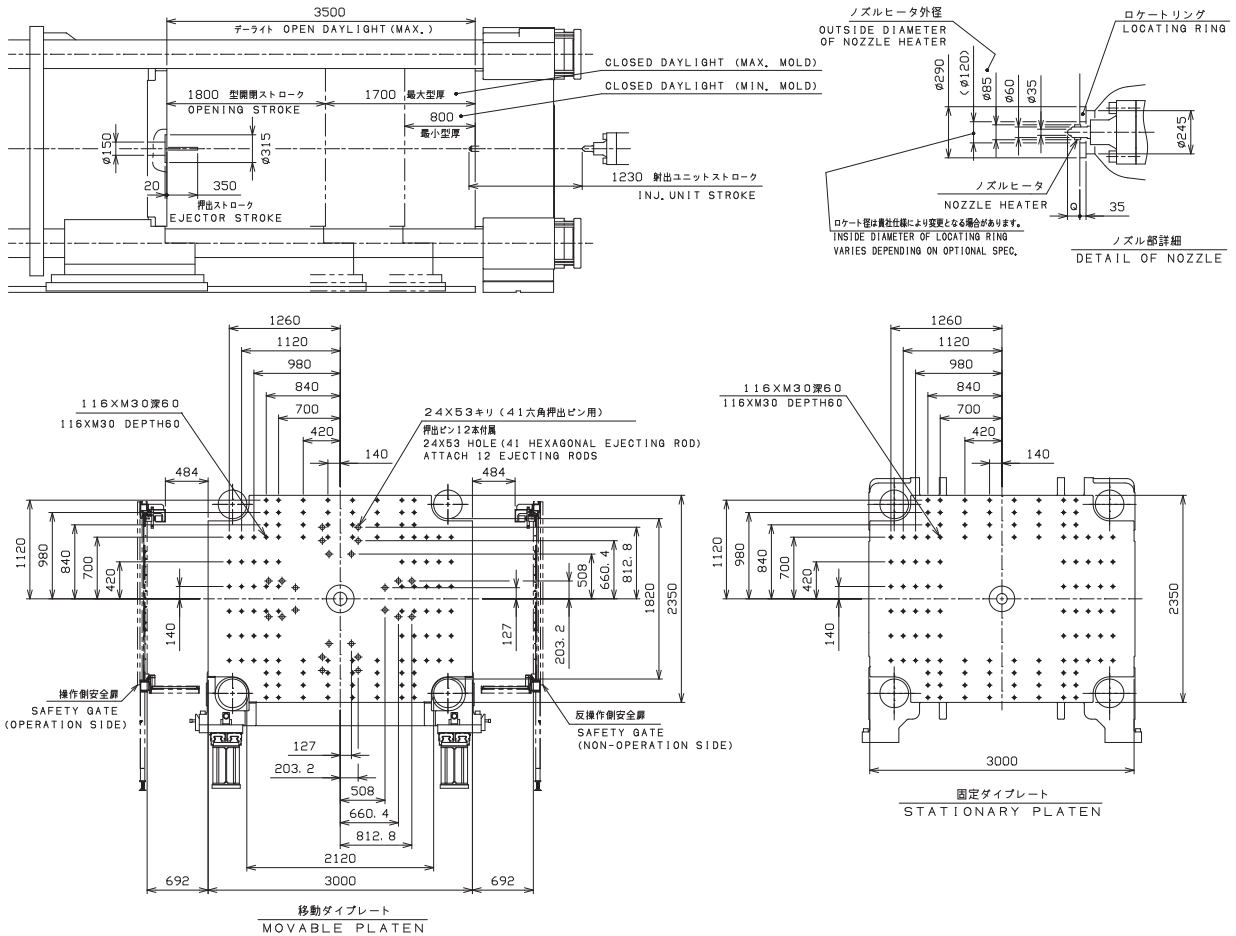
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



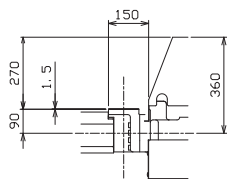
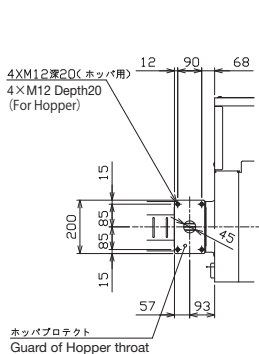
| 射出ユニット INJECTION UNIT | A | B | C |
|--------------------------|-------|------|------|
| i215A | 15709 | 7502 | 4395 |
| i215AM | 16269 | 8062 | 4955 |
| i215BH | 15909 | 7702 | 4595 |
| i215BHM | 16509 | 8302 | 5195 |

| φ | |
|-----|-----------------------------|
| 65 | 標準仕様 (STANDARD SPEC.) |
| 100 | オプション仕様 (OPTIONAL SPEC.) |
| 135 | |
| 170 | |

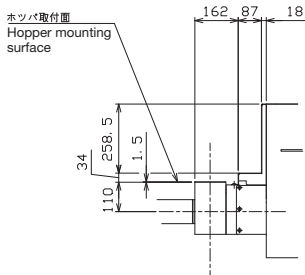
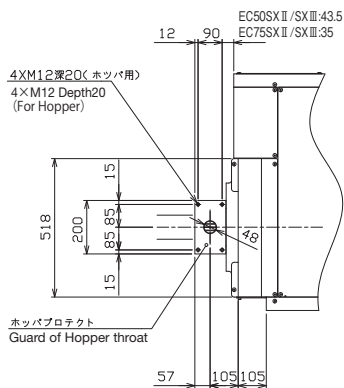
ノズル突出量
NOZZLE PROJECTION

ホッパ取付図 Hopper mounting

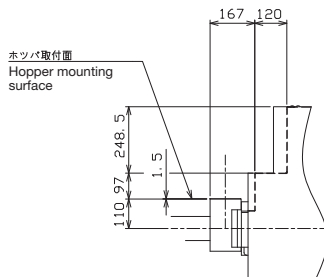
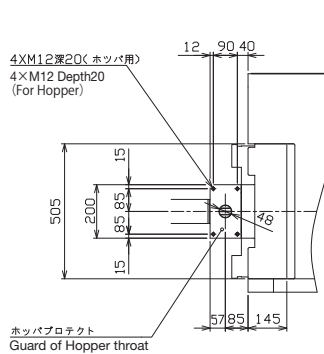
◆ i0, 4



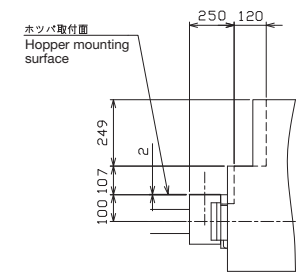
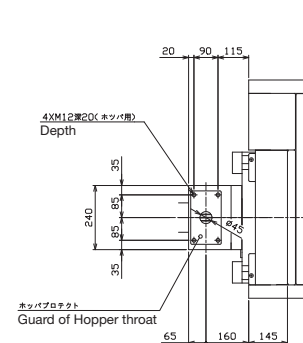
◆ i1, i1.5, i2 (EC50SXⅢ, EC75SXⅢ)



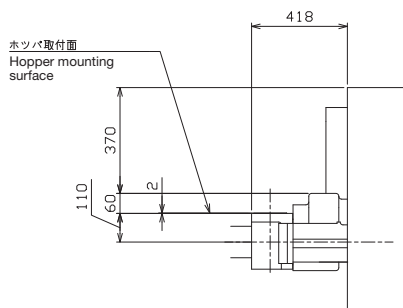
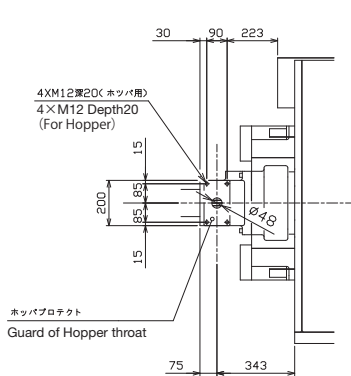
◆ i2 (EC100SXⅢ), i3 (EC100SXⅢ, EC130SXⅢ)



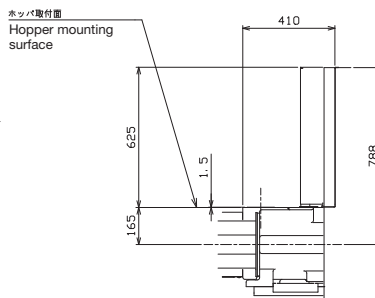
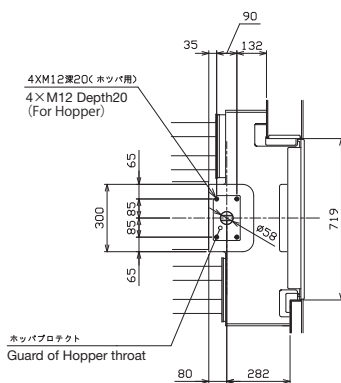
◆ i 4 (EC100SXⅢ, EC130SXⅢ, EC180SXⅢ, EC230SXⅢ)



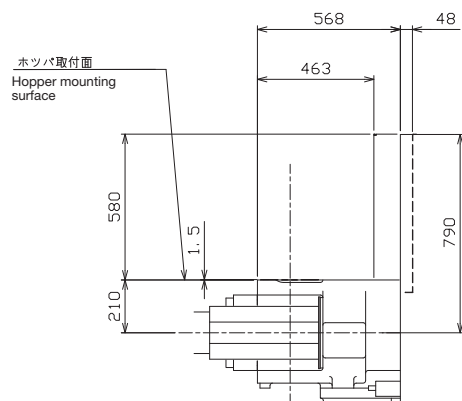
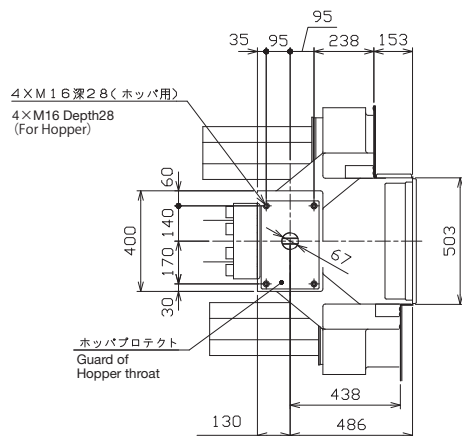
◆ i6, i8, i 10 (EC180SXⅢ/EC230SXⅢ)



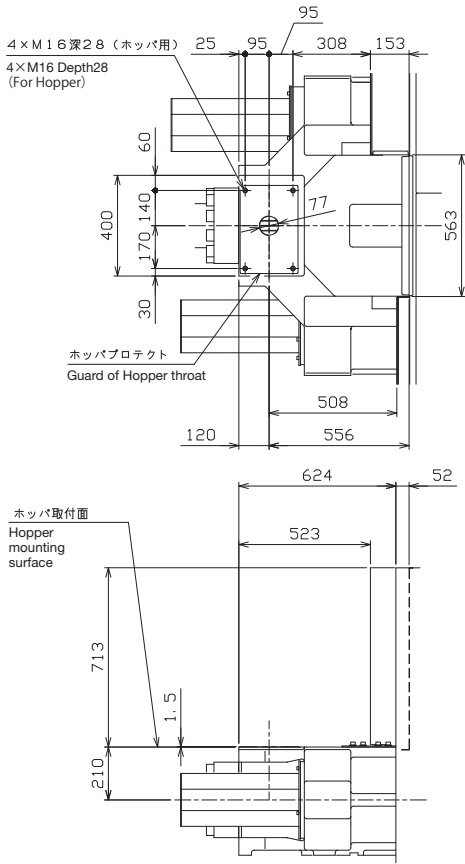
◆ i 17



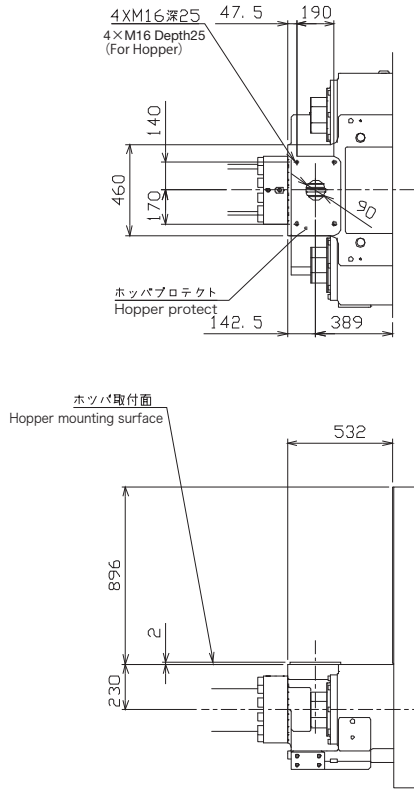
◆ i 26



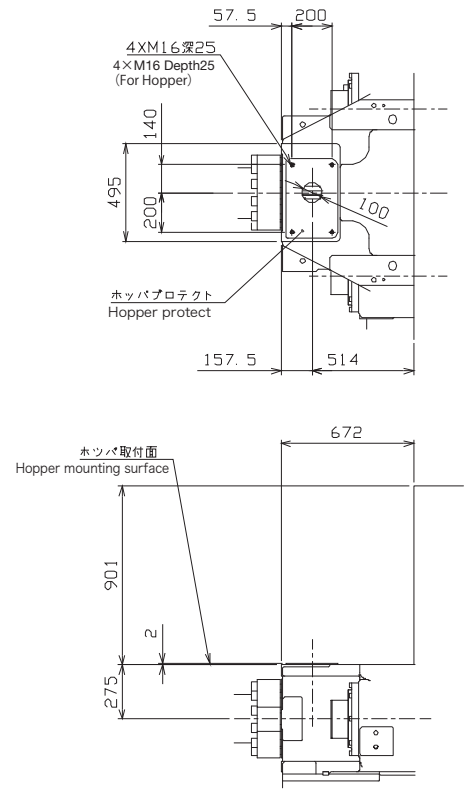
◆ i 3 6



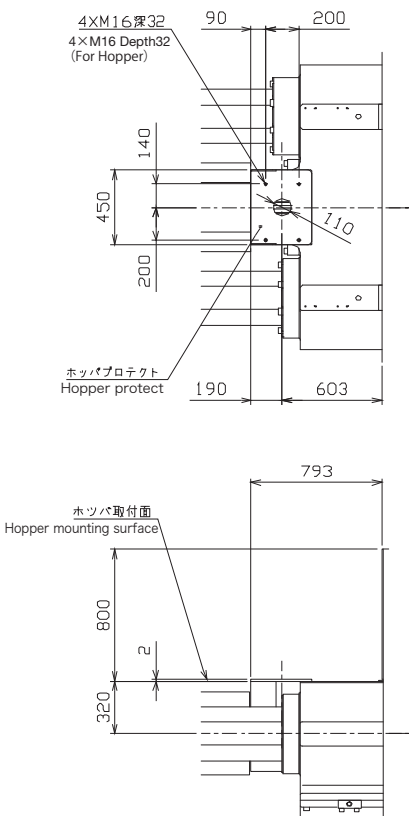
◆ i 6 1



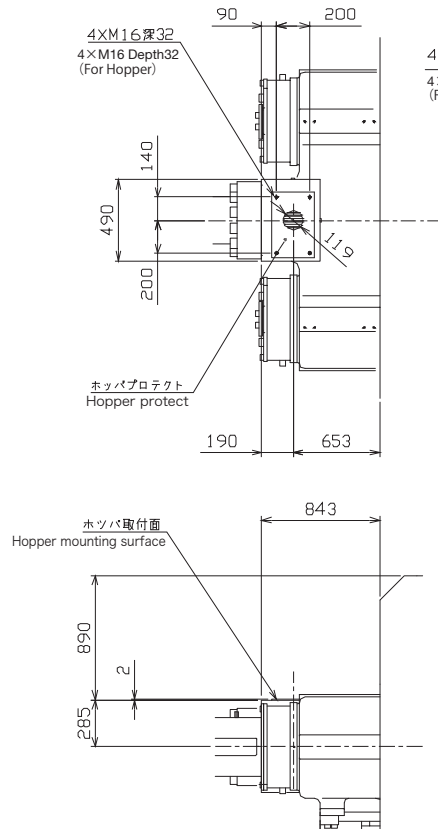
◆ i 7 8



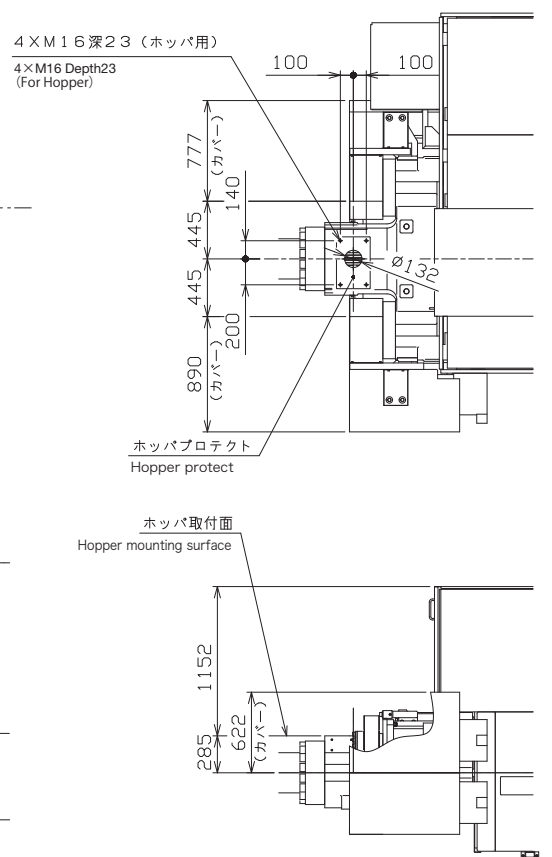
◆ i 1 2 0



◆ i 1 5 5



◆ i 2 1 5



スクリュ・スクリュチップ・バレル・ノズル仕様 Screw・Screw tip・Barrel・Nozzle

■スクリュ Screw

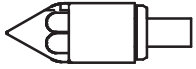

1) スクリュの種類 Type ◎ Best ○ Better

| 形式 Type | DBG | DBC | SDB | SRB | USDB | GN4 | BF | ET3 |
|-------------------------------|--|-------------------------------------|--|--|---|---|----------------------------|--|
| 目的 Purpose | 汎用 General-purpose | 硬質塩ビ用 R-PVC | 高吐出 High-discharge | 超安定 Ultra-stable | 高混練 High-Mixing | PMMA 用 | 安定・付着低減 Adhesion reduction | 汎用 General-purpose |
| 特長 Feature | | | オレフィン系 Olefin resins | 精密成形用 Precision molding | オレフィン系 Olefin resins | 黄変対応 Anti-yellowing シルバ対応 Anti-silver streak | 炭化物対応 Anti-carbonization | |
| スクリュ径 (mm) Screw diameter | 22~160 | 25~160 | 60~160 | 22~55 | 60~160 | 22~45 | 22~45 | 22~160 |
| 成形品 Molded parts | OA 機器 OA equipment 自動車部品 Automotive parts コネクタ Connector | 継手 Fittings 建材 Building material | 自動車部品 Automotive parts 家電部品 Appliance parts | CD ケース CD Case メディカル Medical 精密成形品 Precision molding | コンテナ Container (マスタバッチ) Color masterbatch (ドライカラー) Dry pigments | 導光板 Light guide plate レンズ Lens | コネクタ Connector | 自動車部品 Automotive parts 家電部品 Appliance parts |
| 樹脂 Resin | 難燃 ABS Flame-retardant エンブラ・PP・PE Engineering plastics | PVC | PP PE | ABS PBT | PP PE | PMMA PC | PA PBT, POM | PP フィラー対応 Filler |
| 溶融・混練性 Melt/Mixing | ○ | ○ | ◎ | ◎ | ◎ | ○ | ○ | ○ |
| 可塑化能力 Plasticizing capacity | ◎ | ◎ | ◎ | ◎ | ○ | ○ | ◎ | ○ |
| 成形条件幅 Molding condition range | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ○ |
| 繰返し安定性 Repeatability | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ○ |

2) スクリュの仕様 Specification

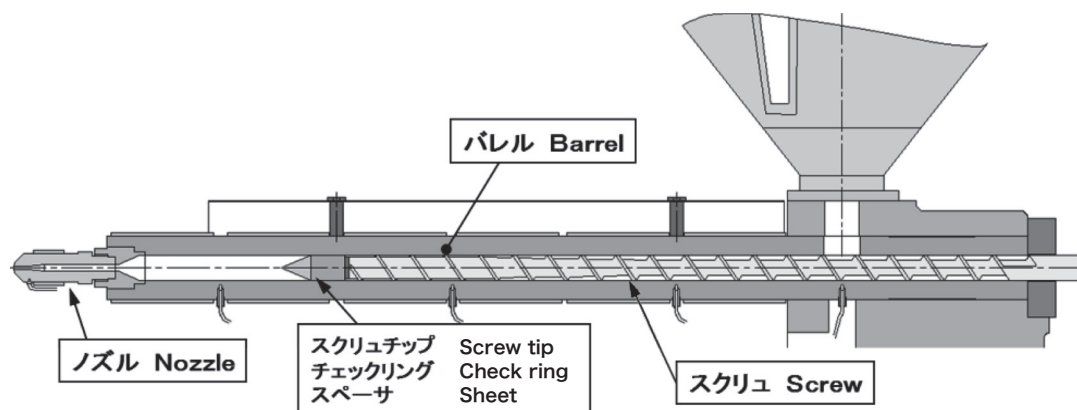
| 仕様 Specification | 適応 Adaptation | 材質・表面処理 Material/Surface treatment |
|--|---|--|
| 標準鋼 Standard steel | 汎用・エンジニア樹脂 General-purpose resins engineering plastics フィラー無し、透明性 Non-filler, Transparency | Cr・Mo 鋼 Cr/Mo steel HCr メッキ (60μm~100μm) HCr plating |
| 耐蝕鋼 Anti-corrosion steel | 塩ビ・難燃剤入り樹脂 PVC・Flame-retardant resins フッ素等特殊樹脂 Special resins (Fluorine resins) | Cr・Mo 鋼+WCr メッキ Cr/Mo steel +WCr plating 専用材 Optimized material |
| 耐蝕 耐摩耗鋼 Anti-corrosion abrasion steel | エンブラ+ Engineering plastics+ フィラー含有 30%前後 Filler content (about 30%) | 冷間工具鋼 Alloy tool steel |
| 超耐蝕 耐摩耗鋼 Ultra Anti-corrosion abrasion steel | スーパーエンブラ+ Super engineering plastics+ フィラー含有 30%以上 Filler content (30% over) | 粉末ハイス鋼 Powder high speed steel |

■スクリュチップ Screw tip

| 形式 Type | 形状 Shape | 効果 Effect |
|---------|---|---|
| A |  | 射出時のバックフローがほとんどなく、射出効率が優れています。 Great filling efficient by no-back flow material in the injection process |
| AK |  | リングが計量時に回転し難いため、せん断発熱を低減出来ます。 Able to reduce friction heat due to check ring which is not rotate during charge process |

■バレル Barrel

| 仕様 Specification | 適応 Adaptation | 材質・表面処理 Material/Surface treatment |
|--|---|------------------------------------|
| 標準鋼 Standard steel | 汎用・エンジニア樹脂 General-purpose resins engineering plastics フィラー無し、透明性 Non-filler, Transparency | 窒化鋼 Nitride steel |
| 耐蝕 耐摩耗鋼 Anti-corrosion abrasion steel | エンブラ+ Engineering plastics+ フィラー含有 30%前後 Filler content (about 30%) | 専用材 Optimized material |
| 超耐蝕 耐摩耗鋼 Ultra Anti-corrosion abrasion steel | スーパーエンブラ+ Super engineering plastics+ フィラー含有 30%以上 Filler content (30% over) | 専用材 Optimized material |



■ノズル Nozzle

1) オープンノズル (標準) Open Nozzle (STD)

- ・射出時の圧力損失が少なく、色替や樹脂替が容易です。
Less pressure drop and easy to change the material/color.
- ・原料の滞留やヤケを起こしにくい構造です。
Less stagnant and carbonized material design.

突出量 Nozzle Projection (mm)

| 射出記号 Injection Unit Code | STD | OPTION | |
|-----------------------------|-----|--------|-----|
| ~1.5A | 55 | 20 | 90 |
| 2Y | 65 | 30 | 100 |
| 2A~ | 65 | 100 | 135 |

口径 Diameter (mm)

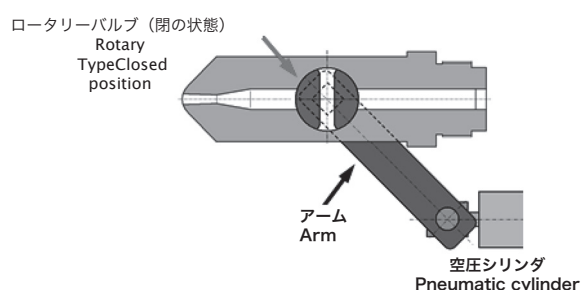
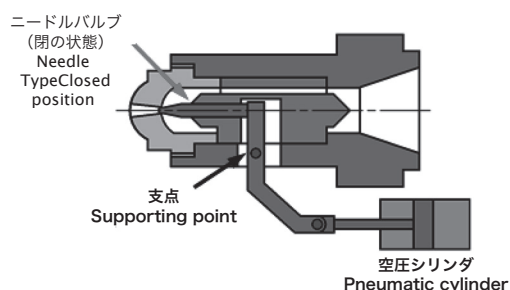
| 機種 Model | STD | OPTION | |
|-------------|-----|--------|---|
| ~350SXIII | 3 | 4 | 5 |
| 450SXIII~ | 5 | 4 | 6 |

先端R Radius Sphere (mm)

| 機種 Model | STD | OPTION | |
|-------------|-----|--------|----|
| ~350SXIII | 9 | 14 | 19 |
| 450SXIII~ | 19 | 14 | - |

2) シャットオフノズル (特別仕様) Pneumatic shut-off nozzle (OPT)

- ・射出工程以外は流路を塞ぐため、ドルーリング防止になります。
It is able to prevent drooling material to plug nozzle orifice except injection process.
- ・ニードルバルブタイプとロータリーバルブタイプがあります。
Selectable needle / rotary type shut-off nozzle as option.



特長 Feature

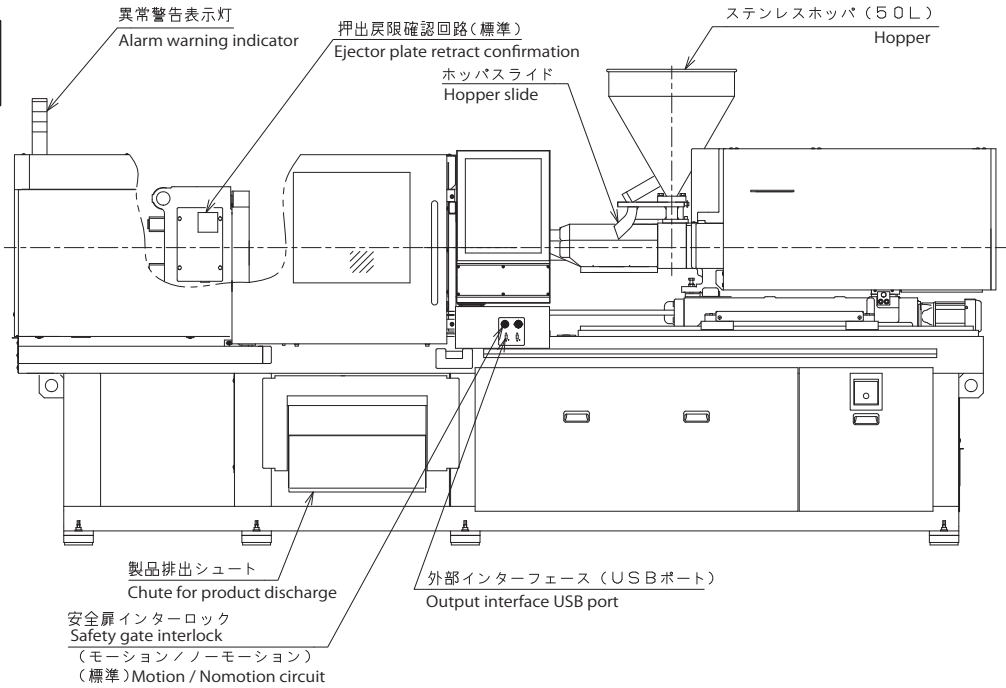
- ニードル式 : 先端に残る樹脂量が少ない構造
Needle Type : Less stagnant material in the front of orifice thanks to optimized design
- ロータリー式 : 圧力損出を低減するシンプルな構造
Rotary Type : Low pressure loss thanks to simple designed orifice

オプション配置図 Layout options

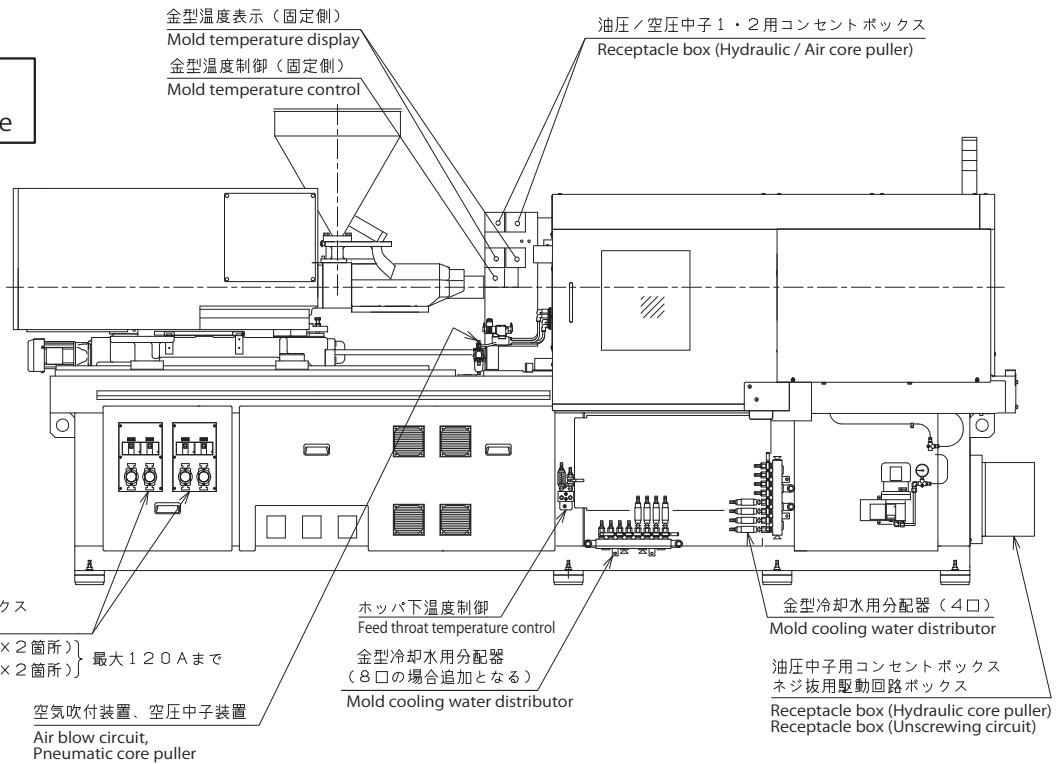
EC50SXⅢ～EC350SXⅢ

図面はEC75SXⅢの場合を示す
For EC75SXⅢ model

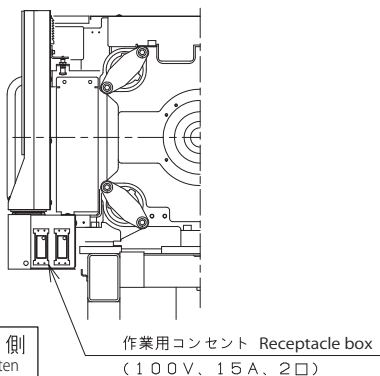
操作側
Operation side



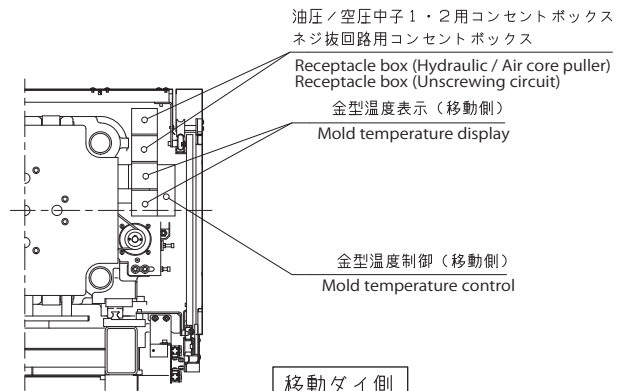
反操作側
Non-operation side



固定ダイ側
Stationary platen



移動ダイ側
Movable platen

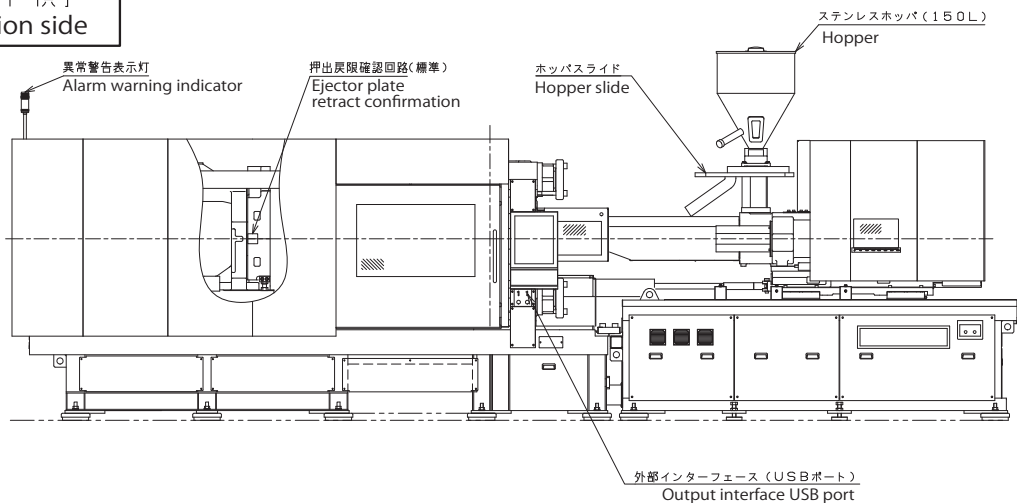


オプション配置図 Layout options

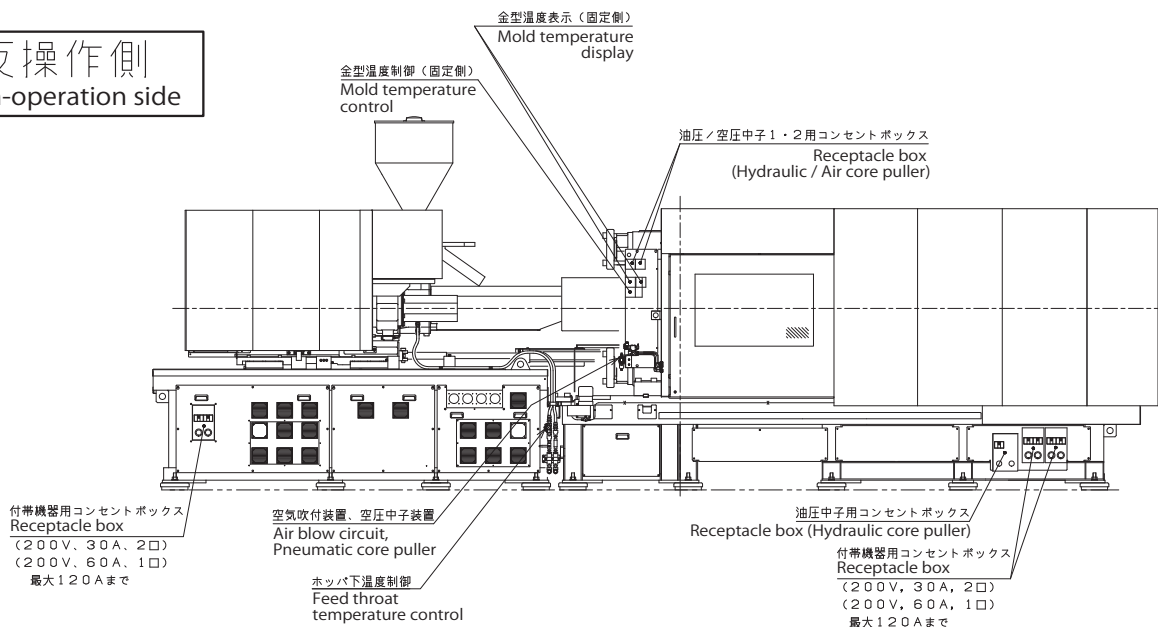
EC450SXⅢ～EC550SXⅢ

図面はEC450SXⅢの場合を示す
For EC450SXⅢ model

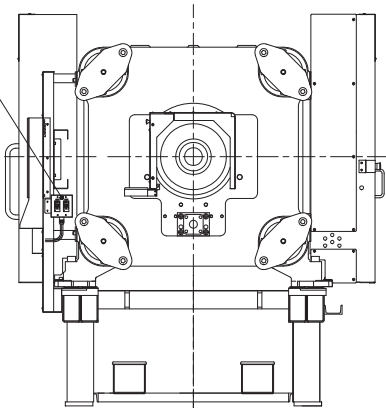
操作側 Operation side



反操作側 Non-operation side

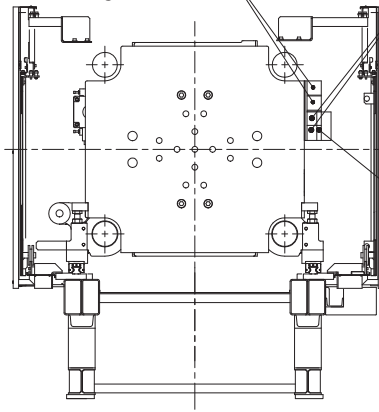


作業用コンセント Receptacle box (100V, 15A, 2 ports)



固定ダイ側
Stationary platen

油圧/空圧1・2用コンセントボックス Receptacle box (Hydraulic / Air core puller) ネジ抜回路用コンセントボックス Receptacle box (Unscrewing circuit)



移動ダイ側
Movable platen

金型温度表示(移動側) Mold temperature display

金型温度制御(移動側) Mold temperature control

ユーティリティ (Utility)

1.主電源ブレーカ容量 Main breaker capacity (A)

(A)

| 機種 Machine Model | 射出ユニット Injection Unit | 標準 Standard | 高速 (高負荷) High-speed (High-load) |
|---------------------|--------------------------|----------------|---------------------------------------|
| EC30SX II | i0.4 | 40 | — (40) |
| | i1 | 40 | 75 (40) |
| EC50SX III | i1 | 40 | 75 (40) |
| | i1.5 | 50 | 100 (50) |
| EC75SX III | i1.5 | 50 | 100 (50) |
| | i2 | 75 | 125 (75) |
| EC100SX III | i2 | 75 | 125 (75) |
| | i3 | 75 | 100 (75) |
| | i4 | 100 | 125 (100) |
| EC130SX III | i3 | 75 | 100 (75) |
| | i4 | 100 | 125 (100) |
| EC180SX III | i3 | 75 | 100 (75) |
| | i4 | 100 | 125 (100) |
| | i6 | 125 | 175 (125) |
| | i8 | 125 | 175 (125) |
| EC230SX III | i4 | 100 | 125 (100) |
| | i6 | 125 | 175 (125) |
| | i8 | 125 | 175 (125) |
| EC280SX III | i10 | 125 | 175 (125) |
| | i17 | 175 | 225 (—) |
| EC350SX III | i10 | 125 | 175 (125) |
| | i17 | 175 | 225 (—) |
| | i26 | 175 | — |

| 機種 Machine Model | 射出ユニット Injection Unit | 標準 Standard | 高速 (高負荷) High-speed (High-load) |
|--------------------------------|--------------------------|----------------|---------------------------------------|
| EC450SX III | i17 | 175 | 225 (—) |
| | i26 | 200 | — |
| | i36 | 200 | — |
| EC550SX III | i26 | 200 | — |
| | i36 | 200 | — |
| EC650SX III | i36 | 350 | — |
| | i61 | 350 | — |
| | i78 | 400 | — |
| EC850SX III | i61 | 350 | — |
| | i78 | 400 | — |
| | i120 | 400 | — |
| EC1000SX III | i61 | 350 | — |
| | i78 | 400 | — |
| | i120 | 400 | — |
| EC1300SX III EC1300SX III W | i78 | 400 | — |
| | i120 | 500 | — |
| | i155 | 500 | — |
| EC1600SXW EC1800SX | i120 | 500 | — |
| | i155 | 500 | — |
| EC2500SX III | i155 | 600 | — |
| | i215 | 700 | — |

◎電線サイズは標準仕様についてのもです。金型ヒータ、作業用コンセント、等付属する場合はサイズアップが必要となる場合があります。

Cable size is for standard machine. It will be sized up by options. (Mold heater, power outlet etc.)

◎電線サイズは配線長20m (450トン以上は30m) 600V CVケーブル 3芯 周囲温度40°Cにおける許容電流値を基準にしています。

The size of wire is based on allowable current by 20m length (30m for above 450ton machine), 3 core 600V CV cable and ambient temperature 40 degrees Celsius.

2.一次電源電線サイズ・接地線サイズ Primary power cable and grounding line sizes

| 機種 Machine Model | 射出ユニット Injection Unit | 一次電源電線サイズ (mm) Primary power cable size | | 一次側電源端子 ネジサイズ Primary power terminal thread size | 接地線サイズ Grounding line size | 接地端子 ネジサイズ Grounding terminal thread size |
|---------------------|--------------------------|--|---------------------------------------|---|-------------------------------|--|
| | | 標準 Standard | 高速 (高負荷) High-speed (High-load) | | | |
| EC30SX II | i0.4 | 14sq | — (14sq) | M10 | 5.5sq | M6 |
| | i1 | 14sq | 22sq (14sq) | M10 | 5.5sq | M6 |
| EC50SX III | i1 | 14sq | 22sq (14sq) | M10 | 5.5sq | M6 |
| | i1.5 | 14sq | 38sq (14sq) | M10 | 5.5sq | M6 |
| EC75SX III | i1.5 | 14sq | 38sq (14sq) | M10 | 5.5sq | M6 |
| | i2 | 22sq | 60sq (22sq) | M10 | 8sq | M6 |
| EC100SX III | i2 | 22sq | 60sq (22sq) | M10 | 8sq | M6 |
| | i3 | 22sq | 38sq (22sq) | M10 | 8sq | M6 |
| | i4 | 38sq | 60sq (38sq) | M10 | 8sq | M6 |
| EC130SX III | i3 | 22sq | 38sq (22sq) | M10 | 8sq | M6 |
| | i4 | 38sq | 60sq (38sq) | M10 | 8sq | M6 |
| EC180SX III | i3 | 22sq | 38sq (22sq) | M10 | 8sq | M6 |
| | i4 | 38sq | 60sq (38sq) | M10 | 8sq | M6 |
| | i6 | 60sq | 100sq (60sq) | M10 | 14sq | M6 |
| | i8 | 60sq | 100sq (60sq) | M10 | 14sq | M6 |
| EC230SX III | i4 | 38sq | 60sq (38sq) | M10 | 8sq | M6 |
| | i6 | 60sq | 100sq (60sq) | M10 | 14sq | M6 |
| | i8 | 60sq | 100sq (60sq) | M10 | 14sq | M6 |

| 機種 Machine Model | 射出ユニット Injection Unit | 一次電源電線サイズ (mm) Primary power cable size | | 一次側電源端子 ネジサイズ Primary power terminal thread size | 接地線サイズ Grounding line size | 接地端子 ネジサイズ Grounding terminal thread size |
|-----------------------------|--------------------------|--|---------------------------------------|---|-------------------------------|--|
| | | 標準 Standard | 高速 (高負荷) High-speed (High-duty) | | | |
| EC280SXIII | i10 | 60sq | 100sq (60sq) | M12 | 14sq | M6 |
| | i17 | 100sq | 150sq (—) | M12 | 22sq | M6 |
| EC350SXIII | i10 | 60sq | 100sq (60sq) | M12 | 14sq | M6 |
| | i17 | 100sq | 150sq (—) | M12 | 22sq | M6 |
| | i26 | 100sq | — | M12 | 22sq | M6 |
| EC450SXIII | i17 | 100sq | 150sq (—) | M12 | 22sq | M10 |
| | i26 | 100sq | — | M12 | 22sq | M10 |
| | i36 | 100sq | — | M12 | 22sq | M10 |
| EC550SXIII | i26 | 100sq | — | M12 | 22sq | M10 |
| | i36 | 100sq | — | M12 | 22sq | M10 |
| EC650SXIII | i36 | 150sq | — | M12 | 38sq以上 | M10 |
| | i61 | 150sq | — | M12 | 38sq以上 | M10 |
| | i78 | 150sq | — | M12 | 60sq以上 | M10 |
| EC850SXIII | i61 | 150sq | — | M12 | 60sq以上 | M10 |
| | i78 | 150sq | — | M12 | 60sq以上 | M10 |
| | i120 | 200sq | — | M16 | 60sq以上 | M10 |
| EC1000SXIII | i61 | 150sq | — | M12 | 60sq以上 | M10 |
| | i78 | 150sq | — | M12 | 60sq以上 | M10 |
| | i120 | 200sq | — | M16 | 60sq以上 | M10 |
| EC1300SXIII EC1300SXIIIW | i78 | 150sq | — | M16 | 60sq以上 | M10 |
| | i120 | 200sq | — | M16 | 60sq以上 | M10 |
| | i155 | 250sq | — | M16 | 100sq以上 | M10 |
| EC1600SXW EC1800SX | i120 | 250sq | — | M16 | 100sq以上 | M10 |
| | i155 | 250sq | — | M16 | 100sq以上 | M10 |
| EC2500SXIII | i155 | 325.5sq | — | M16 | 100sq以上 | M10 |
| | i215 | 200sq×2 | — | M16 | 100sq以上 | M10 |

3.ホッパ下冷却水量 Required amount of Hopper throat cooling water

| 射出ユニット Injection Unit | ホッパ下冷却水 Required amount of Hopper throat cooling water ℓ/min |
|--------------------------|--|
| i1 | 10 |
| i1.5 | |
| i2 | |
| i3 | |
| i4 | |
| i6 | |
| i8 | |
| i17 | |
| i26 | |
| i36 | |
| i61 | |
| i78 | |
| i120 | |
| i155 | |
| i215 | |

4.油圧ユニット Hydraulic pump

| 機種 Machine Model | 形式 Type | 吐出量 Discharge ℓ/min | 圧力 Pressure MPa | 電動機 Motor kW | 系列 Line | | | | | | | | |
|---------------------|--------------|---------------------------|-----------------------|--------------------|--------------|--------------|--------------|-----|--------------|--------------|-----|-----|--------------|
| EC30SXII | T10L | 11/13.2 (50Hz/60Hz) | 7 | 1.5 | 1 | | | | | | | | |
| EC50SXIII | | | 14 | 2.2 | 1 | | | | | | | | |
| EC75SXIII | | | 14 | 2.2 | 1 | | | | | | | | |
| EC100SXIII | T30L | 30/36 (50Hz/60Hz) | 7 | 2.2 | 1 | | | | | | | | |
| EC130SXIII | | | | | | 14 | 5.5 | 2 | | | | | |
| EC180SXIII | | | | | | | | | 40 (60Hz) | 3.7 | / | | |
| EC230SXII/SXIII | | | 14 | 5.0 | / | | | | | | | | |
| EC280SXIII | | | | | | | | | 60 (60Hz) | 14 | 5.0 | / | |
| EC350SXIII | | | 60 (60Hz) | 14 | 5.0 | / | | | | | | | |
| EC450SXIII | | | | | | | 60 (60Hz) | 14 | 5.0 | / | | | |
| EC550SXIII | 60 (60Hz) | 14 | 5.0 | / | | | | | | | | | |
| EC650SXIII | | | | | T60L | 60 (60Hz) | 14 | 5.0 | / | | | | |
| EC850SXIII | 60 (60Hz) | 14 | 5.0 | / | | | | | | | | | |
| EC1000SXIII | | | | | | | | | | 60 (60Hz) | 14 | 5.0 | / |
| EC1300SXIII | | | | | | | | | | | | | |
| EC1300SXIIIW | | | | | 60 (60Hz) | 14 | 5.0 | / | | | | | |
| EC1600SXW | 60 (60Hz) | 14 | 5.0 | / | | | | | | | | | |
| EC1800SX | | | | | | | | | 80 (60Hz) | 21 | 7.0 | / | |
| EC2500SXIII | | | | | | | | | | | | | 80 (60Hz) |

仕様一覧表 (Specification Table)

● 標準 (Standard) △オプション (Option) × 対応不可 (Not applicable)

| 項目 | | ITEM | | EC-SX/SX II /SX III | | | | |
|------------------------|-----------------------|---|--|--------------------------|------------------------------|--------------------------|-------------|---|
| | | | | 30~350ton | 450~1300ton | 1600ton以上 | | |
| 型 締 ・ 押 出 | 高速3段・プログラム制御 | | 3-step high speed programmable control | ● | ● | ● | | |
| | 金型保護制御 | 高速域2区間 | Sensitivity mold protection control | 2high-speed zones | ● | ● | ● | |
| | | 低圧型締 | | low-press | ● | ● | ● | |
| | 低圧型締回路 | | Low pressure mold close circuit | ● | ● | ● | | |
| | 型締力2段デジタル設定 | | 2-step clamping force setting | ● | ● | ● | | |
| | ロックアップ遅延タイマ(LAP回路) | | Lock up delay timer | ● | ● | ● | | |
| | ロックアップ速度デジタル設定(LAP回路) | | Lock up speed digital setting | ● | ● | ● | | |
| | 自動型厚調整装置 | | Automatic mold height adjustment | ● | ● | ● | | |
| | 金型取付運転モード減速減圧装置 | | Low pressure/speed control on mold set up mode | ● | ● | ● | | |
| | 取出機取付タップ加工 | | Tap holes for take-out robot | ● | ● | ● | | |
| | 機械式安全装置 | | Mechanical safety device | ● | ● | ● | | |
| | 移動ダイ支持装置 | | Movable platen support | ● | ● | ● | | |
| | 押出動作繰返し回数設定(1~8回・保持) | | Repeatable ejector setting | ● | ● | ● | | |
| | 押出速度3段プログラム制御 | | 3-step ejector speed programmable setting | ● | ● | ● | | |
| | 押出戻2位置プログラム制御 | | 2-position ejector retract setting | ● | ● | ● | | |
| | 高応答押出制御 | | Quick response ejector control | ● | ● | ● | | |
| | 押出力デジタル設定 | | Ejector force digital setting | ● | ● | ● | | |
| | 押出保持時間 | | Ejector holding timer | ● | ● | ● | | |
| | 型開中押出(押出B回路) | | Ejector during mold open | ● | ● | ● | | |
| | 押出遅延タイマ | | Ejection delay timer | ● | ● | ● | | |
| | 押出トルクモニタ | | Ejection torque monitor | ● | ● | ● | | |
| | 押出戻限確認回路 | | Ejector plate retract confirmation | ● | ● | ● | | |
| | ゲートカット回路 | | Gate cut circuit | ● | ● | ● | | |
| | Tミゾ付ダイプレート | | T-slotted platen | ×(30t), △(50~350t) | △ | △ | | |
| | Clamp・Eject | 製品排出シュート | 50~350ton | Product chute | 50~350ton | △ | × | - |
| | | | 450,550ton | | 450,550ton | × | △(450,550t) | × |
| 空気吹付装置(CB,CA回路) | | Air blow circuit | △ | △ | △ | | | |
| 空圧中子装置(A,B,C,回路) | | Pneumatic core puller | △ | △ | △ | | | |
| 空圧バルブゲート回路 | | Pneumatic valve gate | △ | △ | △ | | | |
| 断熱板 | | Insulating plate | △ | △ | △ | | | |
| 油圧中子装置電気回路 | | Electric circuit for hydraulic core puller | △ | △ | △ | | | |
| 油圧中子装置用ポンプユニット | | 可搬式 | Hydraulic pump unit | Portable | △ | △ | △ | |
| | | ビルトイン式 | | Built-in | × | ●(450t), ×(550~1300t) | ● | |
| 金型自動クランプ装置 | | Mold clamp device | △ | △ | △ | | | |
| 金型自動クランプインターフェイス | | Interface for mold clamp device | △ | △ | △ | | | |
| 安全扉自動閉鎖装置 | | Automatic safety door activation | △(280,350t) | △ | ● | | | |
| 安全扉自動開放装置 | | Automatic safety door opener | △(280,350t) | △ | △ | | | |
| プレストロール | | PRESTROL | △ | △ | △ | | | |
| コアバック | | 'CORE BACK' for foam formation molding | △ | △ | △ | | | |
| 射出・可塑化 | オープンノズル | | Open nozzle | ● | ● | ● | | |
| | チップ式ノズル(i2A-i17) | | Tip nozzle | ×(30,50t), ●(75~350t) | ●(450,550t), ×(650~1300t) | × | | |
| | 標準スクリューアセンブリ | | Screw assembly | ● | ● | ● | | |
| | 射出プログラム制御 | 12速・8圧 | Programmable injection control | 12speed・8pressure | ● | ● | ● | |
| | | 7速・6圧 | | 7speed・6pressure | × | × | × | |
| | 保圧切替モード選択(位置・樹脂圧) | | FPC mode selection (screw-position/injection pressure) | ● | ● | ● | | |
| | 保圧切替補正制御 | | FPC rapid stop circuit | ● | ● | ● | | |
| | 射出速度FF制御 | | Higher acceleration injection speed control | ● | ● | ● | | |
| | スクリュー回転速度・背圧プログラム制御 | | Programmable screw speed/BP control | ● | ● | ● | | |
| | 背圧自動減圧制御(有・無選択付) | | Automatic back pressure reduction control | ● | ● | ● | | |
| 計量自動減速制御(有・無選択付) | | Automatic screw speed reduction control | ● | ● | ● | | | |
| 計量完了後/計量前サックバック制御 | | Melt decompression control (after charge/before charge) | ● | ● | ● | | | |
| Injection・Plasticizing | 自動パージ回路 | | Programmable auto purge circuit | ● | ● | ● | | |
| | 射出遅延タイマ(LAP回路) | | Injection delay timer | ● | ● | ● | | |
| | 計量遅延タイマ | | Charging delay timer | ● | ● | ● | | |

● 標準 (Standard) △オプション (Option) × 対応不可 (Not applicable)

| 項目 | | ITEM | | EC-SX/SX II / SX III | | | |
|----------------------------------|---|---|---|-------------------------|-----------------|-----------------|-----------|
| | | | | 30~350ton | 450~1300ton | 1600ton以上 | |
| 射出・可塑化 Injection・Plasticizing | ノズル部安全カバー | | Purge shield | ● | ● | ● | |
| | ホッパー口防錆スリーブ (i120以上はOPT) | | Stainless sleeve on feed throat(i120 or more is option) | ● | ● | ● | |
| | スクリュ冷間起動防止制御 | | Screw cold prevention control | ● | ● | ● | |
| | ヒータSSR制御 | ノズル | SSR-PID heater control | Nozzle | ● | ● | ● |
| | | バレル | | Barrel | ● | (MCR-PID) | (MCR-PID) |
| | ヒータ断線表示装置 (バレル) | | Heater burn out detector (Barrel) | ● | ● | ● | |
| | ホップ下温度制御装置 | | Feed throat temperature control | ● | ● | ● | |
| | バレル温度FF制御 | | Barrel temperature FF control | ● | ● | ● | |
| | 自動ヒートアップ回路 | | Programmed heat-up control | ● | ● | ● | |
| | バレル同時昇温機能 | | Synchronous temperature rise control | ● | ● | ● | |
| | バレル温度シフト動作制御 | | Barrel temperature shift control | ● | ● | ● | |
| | 滞留樹脂過温防止回路 | | Stacked resin anti-burning circuit | ● | ● | ● | |
| | 樹脂別専用スクリュ | | Special screw for specific type resin | △ | △ | △ | |
| | 耐蝕・耐摩耗スクリュ | | Anti corrosion and anti wear screw | △ | △ | △ | |
| | 耐蝕・耐摩耗バレル | | Anti corrosion and anti wear barrel | △ | △ | △ | |
| | 延長ノズル | | Extension nozzle | △ | △ | △ | |
| | 空圧式シャットオフノズル | | Pneumatic shut-off nozzle | △ | △ | △ | |
| | ホッパー(ステンレス製) | | Hopper | △ | △ | △ | |
| | 高速射出仕様 | | Special high speed unit | △ | △ | △ | |
| | 計量中型開閉動作 | | Mold open/close during charge | △ | △ | △ | |
| | バレル冷却装置 | | Barrel blower | △ | △ | △ | |
| | 計量高トルク装置 | | High torque charge | △(i17,26only) | △ | △ | |
| | 樹脂供給装置 | | Feeder unit | △ | △ | △ | |
| | 制御 御 Control unit (INJECTVISOR-V50 (30t)/V70) | 入力方法 | ステップスイッチ | Input method | step switch | ● | ● |
| テンキー | | | ten key | | ● | ● | ● |
| 設定データ登録 | | 300型分 | Process data storage | 300 sets | ● | ● | ● |
| 外部インターフェイス(USBポート) | | Output interface USB port | | ●(2port) | ●(2port) | ●(2port) | |
| デジタル表示 (位置・速度・圧力・温度・回転速度) | | Digital display | | ● | ● | ● | |
| グラフィック表示 | | 射出・計量・型締 温度 | Graphic display | injection/charge/clamp | ● | ● | ● |
| | | | | temperature | ● | ● | ● |
| 射出・計量波形 | | 記憶・計測 表示 | Injection/charge profile display | memory/measure/function | ● | ● | ● |
| | | | | display | ● | ● | ● |
| 成形制御 | | Process control | | ● | ● | ● | |
| 品質モニタリング | | Quality monitoring | | ● | ● | ● | |
| 異常監視機能 | | Process alarm function | | ● | ● | ● | |
| 診断機能 | | Diagnosis function | | ● | ● | ● | |
| 生産完了時動作停止回路 | | Production completion mode select | | ● | ● | ● | |
| モールドライザ機能(射出圧力) | | MOLDLYZER (injection profile tolerance) | | ● | ● | ● | |
| iPAQET LITE | | iPAQET LiTE | | ● | ● | ● | |
| インサート回路 | | Insert circuit | | △(JIMS only), × | △(JIMS only), × | △(JIMS only), × | |
| 作業用コンセントボックス | | 200V, 30A | Receptacle box | 200V, 30A | △ | △ | △ |
| | | 100V, 15A | | 100V, 15A | △ | △ | △ |
| ネジ抜回路 | | Unscrewing circuit | | △ | △ | △ | |
| 異常警告表示灯 | | Alarm light tower | | △ | △ | △ | |
| 金型温度制御回路 | | Mold temperature control | | △ | △ | △ | |
| ホットランナー制御装置 | | Hot runner control | | △ | △ | △ | |
| 合理化機器プラグイン | | Auxiliary equipment plug in | | △ | △ | △ | |
| iPAQET | | iPAQET | | △ | △ | △ | |
| ハイデューティ仕様 | | High duty | | △ | △ | △ | |
| その他 Others | モーション/ノーモーション選択キースイッチ | | Motion/No motion circuit | | ● | ● | ● |
| | 自動給脂装置 | | Automatic lubricating | | ● | ● | ● |
| | 給脂圧力異常検知装置 | | Lubricant malfunction detector | | ● | ● | ● |
| | レベルパッド | | Leveling pads | | ● | △ | △ |
| 金型冷却水用分配器 | | 4口 | Mold cooling water distributor | 4 ports | △ | △ | △ |



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